

TECHNICAL TOPICS

Any time electric current passes through a conductor, a field is generated. Thus, at radio frequencies a wire radiates power, especially when more than one wavelength in length. For this reason, we have the familiar twin-lead and coaxial style cables. In each type, the two conductors are arranged so that the electric field from one cancels that from the other. This ensures little or no loss of power by radiation. The actual separation of the conductors determines the usefulness of the cable in this respect, and should be small compared to the wavelengths involved. Since the wavelength of a TV signal at Channel 69 is about 37 cm, the spacing of conductors (about 1 cm in twin-lead and 2 mm in coax) is appropriate in the cable used for DX'ing.

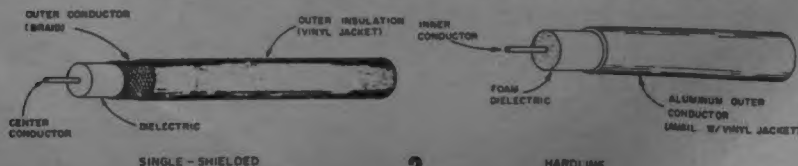
Losses arise from a number of interrelated factors. Most loss occurs due to (1) resistance in the conductors, and (2) capacitance. Pure resistance loss is minimized by using larger conductors. Thus, RG-59/U cable with an 18-Ga. center conductor is better than an RG-59/U cable with an 22-Gauge conductor, all else being equal.

Capacitance depends on cable geometry and the dielectric, or material separating each conductor. Since coax is made up of two conductors separated by a dielectric, it has a capacitance which can be measured and specified per foot. The closer the conductors, the greater the capacitance, the lower the impedance, and the greater the loss of signal. Dielectric materials used ordinarily are solid polyethylene and cellular (foamed) polyethylene, or just "foam" (meaning that air cells are formed in the material during manufacture). Foam exhibits the lowest loss because its dielectric constant is closest to that of air, and hence has the lowest capacitance per foot.

To an electron, coax cable looks like a distributed network of resistors, inductors, and capacitors. The line has a certain frequency response that is a complex function of length and geometry. If less than one wavelength long, the line is just two wires with a little resistive loss. If greater, the line becomes a circuit with time delay, standing waves, shunt capacitive losses, series inductive losses, dielectric stress work losses, etc. Since the low end of TV Channel 2 has a wavelength of about 19 feet—shorter than practically any line run from an outdoor antenna to an indoor receiver—it is vitally important that all cable be selected and used properly.

"Characteristic Impedance" of a cable is the ratio of the voltage applied to that cable, to the steady-state current that flows in that cable when terminated with a pure resistance equal to the C.I. In other words, it is that value of resistor which makes the cable appear infinitely long (no reflected signal). Obviously, for maximum power transfer, the impedance of antenna, cable, and receiver must all match. If two items are incompatible (i.e. a 75-ohm antenna and 300-ohm tuner input), baluns must be used to match one to another.

Systems using coax are called "unbalanced" circuits because one conductor carries the signal inside another conductor which is at ground or ground potential (zero volts). Systems using twin-lead are "balanced" because neither conductor is connected to ground. The signal exists as the difference of potential between the two "floating" conductors. The importance of this is evident in noise pickup. The outer conductor, or shield, of a coax cable is an effective wall between your desired signal and whatever noise exists outside the cable. Twin-lead has nothing but plastic between the noise and the conducted signal, hence, is often called "open line." Typically, noise reaching twin-lead will arrive at both conductors simultaneously. Then, if the line has a perfectly balanced termination, the noise will cancel itself out. Unfortunately, it is very rare that the perfectly balanced situation is achieved in an antenna installation, so that the noise will cause some degree of interference. Indeed, in noisy signal environments or areas subject to severe multipath (these two conditions are met in almost every city), coax is mandatory because unshielded twin-lead will simply pick up too much slop.



PHASING. For any sort of signal splitting, combining, or antenna phasing, 75-ohm coax is much more cooperative. When stacking antennas, splitting signals from one antenna to two or more receivers, etc., 75-ohm antennas and cabling will provide a much better match and may exhibit less loss than a comparable system using 300-ohm. Further, the cheapie 300-ohm splitters sold these days are very lossy and may even cost you a couple of watchable channels. Good-quality baluns for converting 75 to 300 and vice-versa will generally introduce about 1 dB of loss, which is acceptable in most cases.

RG-59 vs. RG-11. It is worthwhile to replace a run of RG-59/U coax with RG-11/U in almost any situation, especially for UHF TV systems and long runs greater than 100 feet. The lower loss of RG-11 is due to its larger size, and the difference can be quite visible. (See chart.)

LOCATING. Since twin-lead is unshielded, the physical location of the wire is important. It must never be run anywhere along metal, which means that only coax can be used for a tower installation. Of course, standoffs must be used with twin-lead to keep it in the air and away from anything metal or otherwise conductive. Unfortunately, these same standoffs are metal and act like little antennas radiating away your signal. Hence, they should be as few and far-between as practically possible. Coax does not need standoffs, and can be tied to the tower or nailed to the house using plastic clips. Twin-lead should never be coiled, looped, or sharply bent.

SHIELDED TWIN-LEAD. Shielded twin-lead is available, and has its good and bad points. It can be used in a tower installation like coax, and doesn't really need standoffs. But, it is a little lossier than regular, unshielded twin-lead, and has a shorter life than coax. It does a good job of rejecting noise, but it is not really a substitute for typical 75-ohm coax.

LIFETIME. The longevity of a cable run depends on environmental factors, humidity, exposure, temperature extremes, mechanical stresses, etc. Also, price seems to be an important determinant: cheap wire just doesn't last as long as the expensive stuff. My Belden #605 twin-lead just now requires replacement after six years of exposure to Tennessee elephants. Winegard's installation manuals for their products recommend replacement of twin-lead every three years. Coax has a much longer life than shielded or unshielded twin-lead, and can be permanent if installed properly and not unduly exposed.

Obviously, cracked or brittle insulation (bend it between your fingers) requires replacement. The points of connection of any cable will be a trouble spot, particularly at the antenna. The connection there is subject to corrosion at the terminals and water seepage into the exposed end of the cable. If water can get inside the jacket, it's all over with. It is important to weatherproof all exposed connections, baluns, preamps, etc. Standing water on the surface of twin-lead will wipe out your signal; just rainwater falling on twin-lead will increase its loss. This effect does not occur with coax, but all cables eventually suffer in prolonged exposure to moisture.

GHOSTING. Ghosting of television signals shows up in two main ways. The so-called "leading ghost" is caused by signals picked up in the twin-lead and arriving at the TV set just before the signals picked up by the antenna. The ghost appears to the left of the main image on your screen. The elimination of the ghost calls for re-routing of the cable or replacement with shielded twin-lead or coax. Other ghosting effects (multiple images, or images to the right of main) are attributed to multipath—delayed, reflected signals arriving at the antenna earlier or later than the direct signal. This is best eliminated by using a highly directional antenna. The cheap little "ghost eliminators" are nothing but a capacitor and variable resistor, and work by attempting to introduce a phase shift which may luckily cause two or more ghosts to cancel. These work about 1% of the time.

The accompanying chart summarizes the basic types of cable used at VHF and UHF frequencies for receiving purposes and CATV. All pertinent data is taken from several sources, including the ARRL Antenna Book, and several manufacturers. Prices are average quoted in Knoxville, Tennessee, since that is where the author lives. Also see Technical Topics in the VUD's for March '81, July '81, and November, '82. Also see James E. Kluge's articles in old issues of *Electronic Technician/Dealer*.

TIM McVEY
Route 3, Box 568
Bolivar, TN 38008

C.C.I. [UNIDENTIFIED DX]

Robert Grant, KD8EN
5775 Bishop
Detroit, MI 48224.
September, 1986

SE HABLA ESPAÑOL:

I have now had a semester of spanish at Wayne state university here in Detroit, I can understand enough so that if you have an SS unid on tape (cassette, 8tr, open-reel recorded in one direction only at 1 7/8, 3 3/4 or 7 1/2 ips, or Beta video) and you think something on tape could identify your unid, send it to the address above

is Harper Valley the PTA??

If you read this column, you will often see the abbreviation "PTA". In this column it means Probable Target Area, from where the DXer thinks the DX is originating.

Michael Reid thinks that PTA should always mean a part of the US unless another country is specified. Since 1981 when I started doing this column, PTA is in a direction relative to the DXer when a direction alone (e.g. MW) is given. When a certain part of any country (or for that matter, any state) is mentioned, the area is always followed by the country or state mentioned (e.g. S'n U.S.). The problem with this is that U.S. and Canada are far too big for such designations to be useful for the DXer, for example, SE'n US may mean Memphis or it could mean Miami, there is an Es distance between these cities. Remember that there other means of making probable direction estimates besides antenna heading, and that nearby stations, fading and propagation characteristics can diffuse perception of direction.

Unless their is great demand for a change in policy, I will continue to use a direction alone only when it refers to a direction in relation to the DXer, and parts of countries and preferably states and provinces when provided. One other thing, Northeast is always abbreviated "NEast" and "NE" is always the state of Nebraska, New Brunswick is NB and Nevada is NV.

FM UNIDS:

- Keith Pugh, 227 Martin St., New Hope, AL 35760-9639. (Bringing New Hope to DXing?? -RG)
- 1985: Fri 7 Jun Es 102.3 1225 CDT-- k format, mention Wellton (Ant. NEast.)
" " " " 97.3 1230 CDT-- r, "Sunny 97", mention "Sherman Mills" (Ant. NEast)
Mon 24 Jun Es 95.7 1420 CDT-- r, "Kiss-FM" (PTA: TX, NM.)
Fri 28 Jun Es 91.1 1134 CDT-- r, "T-91" (PTA: " " ")
Tue 2 Jul Es 93.1 1206 CDT-- b, mention Sioux Falls. (PTA: SD.)
Tue 3 Dec MS 88.5 2039 CST-- ad with Spanish mixed with English (was it an ad or a public service announcement? if an ad I would guess a Mexican station. -RG)
Fri 13 Dec MS 101.1 2248 CST-- "....street in Cornwall...." (PTA: ON.) (likely CKUE -RG)
Sat 14 Dec MS 100.7 0010 CST-- "....at your wx station, Q-101...."
" " " " 102.5 0034 CST-- "....First Place in Bowling Green...."
Sun 15 Dec MS 102.5 0200 CST-- "In Hawkville you can win the 'take your radio anywhere contest'...."
Sat 21 Dec MS 99.9 0200 CST-- ad- "Carl Salbator's Pizza"
Sun 29 Dec MS 102.5 2334 CST-- k, "Y-102"
1986: Mon 20 Jan Tr 102.5 or '7 0023 CST-- r, "All hits super 102" mention Kanard (or Canard?) county (Ant. NEast)
Tue 11 Mar Tr 107.1 1121 CST-- "Jet-107", r (PTA: KY.)

Waldo F. Bishop, 1227 Cherokee Dr., Tallahassee, FL 32301.

- 1986: Wed 11 Jun Es 88.1 1555 EDT-- "Magic 88.1 FM", CDT time.
" " " " 93.1 1610 EDT-- ra, jingle: "Five Hits 93-Q"
" " " " 97.5 1628 EDT-- "The Rock- K-97" (PTA: WV)
" " " " 93.1 1719 EDT-- "SE-93" mention of Ripley. (NWSE Jamestown, NY fits perfectly, even the town of Ripley. But that's on 93.3 -RG)
" " " " 88.3 1725 EDT-- "...CBC nx for N'n Ontario, and now we continue with "Afternoon Delight"... (I think that CBLJ in Wawa, ON. is most likely because of it's listed 50,000 watts ERP. -RG) (PTA on all of these NEastern US.)

Matt Sittel, 220 Brookfield Drive, Kingsport, TN 37663. (TNX for TVG & welcome. -RG)

- 1986: Sat 17 May Es 92.5 2048 EDT-- "Z-92.5 FM" (PTA: TX)
Tue 10 Jun Es 102.9 2220 EDT-- SS, // to XHRR 102.5 Matamoros, TAM.)
" " " " 102.7 2222 EDT-- SS, "Son las 8:22, temperatura 28 grados" (Time is MDT) (anybody know if Mexico has DST in summer, could this be CST, also, a temperature of 28C (82F) seems a bit cool for the North of Mexico in the summer, so maybe in the mountains or on the bay? -RG)
Wed 11 Jun Es 98.9 1250 EDT-- k mx. (KVLV-107.9 and KZFM 95.5 also in)
" " " " 101.1 1738 EDT-- mx, "Goodbye" by Night Ranger. (PTA: MD.)

Chart 1 Cable Attenuation

Loss Per 100' in DB's

Type Of Cable	Ch 2	Ch 13	Ch 14	Ch 48	Ch 83
RG-59/U	2.6	5.4	8.4	10.5	12.0
RG-59/U Foam	2.1	4.1	5.8	7.1	8.0
CU-2700	2.2	4.4	6.5	8.0	9.1
CU-2800	1.6	3.2	4.9	6.0	6.8
RG-11/U	1.4	3.2	4.8	5.8	6.8
RG-11/U Foam	1.1	2.3	3.5	4.3	5.1

SWEET TESTING. This is a test performed on a coax cable by the manufacturer at the time the cable is made. The test involves connecting a sweep-frequency signal generator to one end of a bulk length of cable, and a measuring instrument similar to a spectrum analyzer to the other end. The test verifies that the cable has no shorts or opens, that it has the proper impedance, and -- most important -- that it has no dips in its "frequency response." If a cable is found to have poor transmission characteristics at a certain frequency or frequencies, it is assumed to have some minor manufacturing defect. Since this does not render a cable useless, it is usually sold unmarked (no brand name) on the surplus market. The most common manufacturing defects leading to sweep test failure are, for example, the braided shield having the wrong diameter, or the center conductor wanders off center for a few feet. The effect is like having a trap installed in your system at some frequency.

CABLE TYPE	NOMINAL IMPEDANCE (ohms)	CAPACITANCE (pF/foot)	VELOCITY FACTOR (% speed of light)	OUTSIDE DIAMETER (inches)	LOSS PER 100 FEET (dB)										CENTER CONDUCTOR (AWG)	REQUIRED CONNECTOR	PRICE (\$ per foot)
					TV-2 50 MHz	FM 100 MHz	PSB 150 MHz	TV-11 200 MHz	PSB 450 MHz	TV-19 500 MHz	TV-35 600 MHz	TV-92 700 MHz	TV-65 800 MHz				
RG-11/U																	
RG-11A/U	75.0	20.6	66	.405	1.5	2.0	2.5	3.1	4.7	5.1	5.9	6.5	7.2	14 to 18	F-11	0.64	
RG-11/U team		16.9	80														
RG-59/U		21.0	66														
RG-59A/U	73.0	21.0	66	.242	2.2	3.3	4.1	4.7	6.8	7.6	8.4	9.1	9.8	18 to 22	F-59	0.13*	
RG-59/U team		16.9	79		1.8	2.8	3.3	3.8	4.9	5.0	6.5	7.0	7.5				
RG-6/U	75.0	18.6	75	.266	1.9	2.9	3.4	3.9	5.1	5.2	6.7	7.2	7.8	18 to 20	F-56	0.10*	
RG-216/U	75.0	20.6	66	.425	1.6	2.2	2.8	3.2	5.0	5.5	6.3	7.0	7.6	13 to 16	—	2.30#	
RG-244/U	75.0	16.7	81	.500	0.5	0.7	0.9	1.2	1.7	1.8	1.9	2.1	2.2	12 to 14	—	N.A.	
RG-246/U		16.7	81	.875	0.3	0.4	0.5	0.6	0.9	1.0	1.2	1.3	1.4	10 to 12	—	N.A.	
300Ω 1/2 in. TWIN-LEAD	300.0	5.8	82	—	0.3	0.6	0.8	1.1	2.4	(3)	(5)	(8)	(10)	18 to 22 standard	—	Varies	

TV UNDS:

Keith Pugh, 227 Martin St., New Hope, AL 35760-9639. (TMX to John Combs for forwarding.-RG)

1986: Mon 5 May Es ch 2 0956 CDT-- unique color TP with latin classical mx on audio.
(see drawing 1) (PTA: Mexico.)

Sun 11 May Es ch 4 1259 CDT-- IDs from XHEN-2, XOF-13, XHMT-7 and some unreadable. (MX)
("XOF" is not a legitimate call sign in the Mexican scheme, unless policies have changed,
also I have no info on anything called XHEN nor XHMT. -RG)

Fri 16 May Es ch 2 1530 CDT-- "Iron Man" cartoons in SS. (I suspect Cuba, because I
have seen Incredible Hulk cartoons on TC6 net and they are done by the same outfit
((Granray Lawrence)) than Iron Man (((I wonder if they have Captain America, hi))) -RG)

Fri 16 May Es ch 3 1641 CDT-- "Gary Brooks Live Eye" election coverage in
Springfield, Massachusetts. WFSB? (only 3 that covers the area -RG)

Fri 16 May Es ch 4 1649 CDT-- "The Price Is Right" (PTA: TX, NM.)
" " " " ch 2 1710 CDT-- "Evening Edition" (PTA: TX, NM.)

Wed 21 May Es ch 4 0924 CDT-- "Newscenter Today" (PTA: Midwest, Rockies.)
" " " " ch 4 0937 CDT-- "NTV News" and "Hour Magazine" KSNB? (almost definitely -RG)

Sat 24 May Es ch 4 1849 CDT-- "Lifestyles of the Rich and Famous"
" " " " ch 4 1856 CDT-- "Wheel of Fortune" (PTA for all 5/24 is Midwest & Rockies)
" " " " ch 5 1857 CDT-- "Sneak Previews" (KNME or KTTX, unless you have mistaken
it for "At The Movies" where Siskel & Ebert are on commercial syndis. -RG)

Sat 24 May Es ch 4 1857 CDT-- "Hee Haw"
Sun 25 May Es ch 2 0845 CDT-- "Dagorette Fund Raiser" Area Code 405. (SW OK.)
" " " " ch 2 1130 CDT-- "Inside Soaps" (PTA: Midwest, Rockies.)
" " " " ch 2 1351 CDT-- movie: "Gigi" in FF.

Larry Van Horn, 160 Lester Drive, Orange Park, FL, 32073.

1986: Mon 14 Apr Tr ch 23 0806 EST-- "Sesame Street" (PTA: MS.)
Fri 25 Apr Tr ch 19 0745 EST-- AM Weather (PBS) (PTA: MS.)
" " " Es ch 2 0915 EST-- SS, Math lesson. (PTA: Mexico)
" " " " ch 3 1240 EST-- "Divorce Court"
" " " " ch 2 1205 EST-- SS pgm: "Sorto Tec" (PTA: Mexico)
" " " " ch 3 1555 EST-- "Sesame Street" (PTA: WNN)
Sun 4 May MS ch 2 0548 EDT-- ID slide with large "2NBC" in center.
" " " Es ch 2 1810 EDT-- Children's quiz show with a soccer theme in Spanish
(PTA: Mexico.)
" " " " ch 2 1920 EDT-- SS pgm: "Tempe De Presente" (PTA: Mexico.)
" " " " ch 2 2017 EDT-- Bullfights (PTA: Mexico)
" " " " ch 3 2030 EDT-- EE movie with SS subtitles (PTA: Mexico)
" " " " ch 3 2030 EDT-- SS ID slide: "3 Nuestra Television, La Imagen Espectacular"
(look at Matt Sittel's photo of XHY in Merida on page 37 of the 7/86 VUD. -RG)

Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.

1986: Mon 28 Apr Tr ch 16 0300 EDT— Multiburst resolution card. (that is, a b/w test with several vertical bands with the first band white and each other band having progressively thinner b/w vertical bars.) (PTA: Ontario.)

Fri 16 May Es ch 2 2327 EDT— wx cast mention KS and MO. "...and we have had reports of flooding all from NEast KS and just south of town around Agency(?).....So flash flood and severe thunderstorm warnings continue throughout the entire area.." (KQFTV?)

Sat 17 May Es ch 3 1942 EDT— warning of severe wx in Brazos Valley. (PTA: SW.)

" " " " ch 3 1955 EDT— "Hee Haw", zero offset. (PTA: SW.)

Wed 11 Jun Es ch 2 1655 EDT— zero or minus offset. "Little House On The Prairie"
(a true split opening, PTA: FL,CA,CO,NE,WY,MT.)

" " " " ch 6 1655 EDT— "Star Trek" (PTA: " " " " " ")

" " " " ch 6 1701 EDT— "Laverne and Shirley" (PTA: " " " " " ")

" " " " ch 2 1701 EDT— "She-Ra" (PTA: " " " ")

" " " " ch 5 1730 EDT— ID slide for primary and three xltres. primary ID looks like KMPH-26, which is in Visalia, CA. (PTA: W.)

Sat 21 Jun Tr ch 5 0235 EDT— "Dr. Gene Scott" plus offset. (PTA: NW strongly susp. WFRV)

Thu 26 Jun Es ch 3 0000 EDT— "M*A*S*H" plus or minus offset. (PTA: SSW)

" " " MS ch 5 0527 EDT— Wedge TP or similar, minus offset.

Mon 14 Jul Es ch 3 2201 EDT— in \$ with distinctive logo supered in UR. also animated graphics for "Alive Front Row Center" (not sure if show start or just promo) believed to be zero offset but not sure. (PTA: TX,NE,SK,NV,CA. see drawing 2.)

TV IDs: Michael Parks (3/86 CCI)
1985: Mon 24 Jun Es ch 6 1501 CDT-- "Dallas" (Matt Sittel and Mike Reid point out that this is a "blowout", it could be KOTV, KAUZ, KPDM, WJBF or any CBC!!)
Tue 2 Jul Es ch 2 1512 CDT-- *Little H.O.T.P.* (WRNN checks. -Matt Sittel.)

Robert Williams (3/86 CCR)
1985: Sat 25 May Es ch 3 2000 MOT-- "Turn to 3" logo. (Matt Sittel: "seem to remember seeing KMTV using it but not sure.")
Thu 20 Jun Es ch 2 1200 MOT-- "Guess What" (we have disagreement among our detectives, Mike Reid says CTV, Matt Sittel says CBC. -RG)
Sun 4 Aug Es ch 2 1930 MOT-- ad "Royal Le Page" (this is a national realty chain in Canada and could be any Canadian ch 2 -Mike Reid.)

SEPTEMBER 1986

ROBERT S. ROSS - Box 4373, Stn. C - London ON N5W 5J2 VE3JFC

MAY 1986

10 Es
1240 KSRR 96.5 TX Houston "97 Rock" ads
1250 KGOL 107.5 TX Lk Jackson Waterworld promo
1324 KSCB 107.5 KS Liberal KS Info Net nx
13 GW
1855 CICM 103.1 ON London On, testing r & IDs
Come on officially June 1st.
JUNE 1986

9 GW
2011 CKDK 102.3 ON Woodstock, On, testing,
"K-102" slogan, to be on July 2 officially.
(Ed: They are 102.3 not 102.1-saul)

11 Es
1748 KUNC 91.5 CO Greeley bj
1755 KCPK 90.1 CO Denver wx lcl nx
1825 KCOL 107.9 CO Ft Collins mb
1850 KRXV 107.5 CO Denver "Y-108", ID is this
KPPL Lakewood, no Denver listed (Haven't got
my new FM ATLAS here yet at the office-Saul)
1905 KOAQ 103.5 CO Denver "soft rock Q-103"

17 Tr
2130 WCVJ 90.9 OH Jefferson g ID
2142 WYSU 88.5 OH Youngstown c
2210 WNCI 97.9 OH Columbus rp
2225 WNIJ 100.1 OH Kent ID
2250 WCPZ 102.7 OH Sandusky "Leisure Rock
103" and "CPZ" slogans
2301 WRKY 103.5 OH Steubenville "Rocky103" rp
2310 WHIZ 103.9 PA Mercer "Stereo 104 WHIZ" k
2322 WYDD 104.7 PA Pittsburgh rp "YDD"
2336 WZMH 107.5 WV Wheeling rp "Ohio Valley's
music leader, WZMH"

COMMENTS: I've moved to a new house and finally have some room to put up some antennae. I'm in the process of building my radio shack and should be done soon. Es very good in early Jun and May but non-existent since then. I've temporarily put up a 10-element FM beam on a pole about 15' up. It works quite well as we are on a hill to begin with. No problem with the Pittsburgh, Detroit and Cleveland stations. The first night I put it up, I logged WTVF in VIRGINIA. I was really surprised! Hope to have more before the summer's end. 73's Rob.
Equip:Marantz 2226B, Panasonic RF1115.

JOHN EBELING - 9209 Vincent Ave. S. - Bloomington MN 55431 Times Central local time

AT BLOOMINGTON:

FEB 5 1986 Tr
1757 KMIT 105.9 SD Mitchell
1858 KCSD 90.9 SD Sioux Falls
2000 KBHL 103.9 MN Osakis g
JUNE 1986

4 Tr (WIRR JUN 10)
1100 WEVE 97.9 MN Eveleth
2359 WIRR 90.9 MN Hibbing

11	Es			
1633	<u>WSEI</u>	92.9	IL	Olney
1634	<u>WKOQ</u>	94.1	NC	Lexington
1636	<u>WSTO</u>	96.1	KY	Owensboro "96STO"
1637	<u>WTMG</u>	96.3	TN	Murfreesboro "Magic 96"
1640	<u>WDNS</u>	98.3	KY	Bowling Green "D-98"
1642	<u>WZOZ</u>	98.3	IL	Princeton
1645	<u>WBVR</u>	101.1	KY	Russellville "Beaver-101"
1647	<u>WFPC</u>	102.3	IN	Petersburg k
1649	<u>WTNG</u>	105.3	IN	Evansville
1653	<u>WYAY</u>	106.7	GA	Atlanta "Y-106"
1655	<u>WOXI</u>	94.1	GA	Atlanta (& SCA- telemetr

JUNE 18 Tr

0001	WDUQ	90.5	PA	Pittsburgh j
0012	WTF	89.1	VA	Roanoke PBS ID as "FM 89,
	WTFP, j			sports scores (PBS?, NPR!!!-saul)
2007	WAPS	89.1	OH	Akron "Hit Radio 89 WAPS"p
2100	WKTL	90.7	OH	Struthers 86; IE ID on hour
2106	WKYE	95.5	PA	Johnstown "Key 95" rp
2130	WHYP	100.9	PA	North East rk ID Real
	weird DJ			& stn but great music
2205	WESA	98.3	PA	Charleroi "98-ESA"
2234	WRJS	98.5	PA	Oil City "Stereo 98"
2342	WCTL	106.3	PA	Union City g

19 Tr				
0005	WELA	104.3	OH	East Liverpool k
2230	WQRT	104.5	OH	Wooster k ex-WWST
20 Tr				
2150	WGLE	90.7	OH	Lima dual ID w/WGTE Toledo
2230	WHSS	107.7	MI	Alpena ID wx JUNE 22
2256	WGCZ	95.9	PA	Sharpshville (CPFL off)
2310	WHTX	96.1	PA	Shirpsburgh "Hits 96"
2325	WHNN	96.1	MI	Bay City oldies
2352	WONE	97.5	OH	Akron (GKO-3 off)

23 Tr
0014 WDVE 102.5 PA Pittsburgh rp "DVE"
25 Tr
2200 WBBC 88.1 WV Bethany rp "OH Valley's
unique station"
2300 WMRT 88.3 OH Marietta c
2331 WOVK 98.7 WV Wheeling k
26 Tr
2100 CBEE 88.1 ON Chatham (ex-95.1)
28 Tr
2257 WRDL 88.9 OH Ashland rp
2330 CBCE 98.7 ON Warton-Owen Sound //93.5

in the process of building my radio shack and
 Jun and May but non-existent since then. I've
 pole about 15' up. It works quite well as we
 the Pittsburg, Detroit and Cleveland stations.
 in VIRGINIA. I was really surprised!
 's Rob.

| JUNE 11 Es cont'd

1700	<u>WUNC</u>	91.5	NC	Chapel Hill	
1700	<u>WUOT</u>	91.9	TN	Knoxville	
1700	<u>WSMC</u>	90.5	TN	Chattanooga	
1703	<u>WCGO</u>	107.3	GA	Columbus	
1705	<u>KXKZ</u>	107.5	LA	Ruston	
1705	<u>WGGC</u>	95.1	KY	Glasgow	
1710	<u>KPFW</u>	100.9	AR	Ft Smith	
1720	<u>WOLT</u>	107.3	AL	Florence	
1727	<u>WMV</u>	98.7	MS	Vicksburg-Jackson	"Q-99"
1757	<u>KRAV</u>	96.5	OK	Tulsa	
1800	<u>KKRD</u>	107.3	KS	Wichita	
1830	<u>KZZO</u>	107.5	NM	Clovis	"The Zoo"
1835	<u>KATK</u>	97.3	TX	Plainview	
1837	<u>KUPD</u>	97.9	AZ	Tempe	

AT PROSIT cabin, northern MN: .

JAN 20 1986 Tr 0148 K288DN 105-5 MN OFF

John's report continues on page 2.....

8, cont.:

John Combs (8/85 and 11/85 CCIs)

Sat 22 Jun Es ch 2 2218 EDT-- "Hunter" with several seconds delay.
 (CKCQ2 checks. CTV gets their own print of American shows and are usually a bit
 out-of-sync with the American networks. -Mike Reid.)
 Mon 8 Jul Es ch 3 1227 EDT-- "Leave It To Beaver" (CKVR checks. -Mike Reid.)
 Tue 23 Jul Es ch 2 0900 EDT-- start "Romper Room" (CKCQ2 checks. - " " " .)

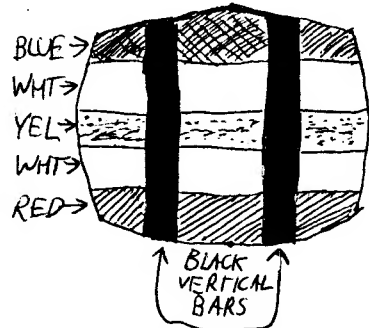
Bill Nolman (11/85 CCI)

Thu 11 Jul Es ch 2 1912 EDT-- mention Thunder Bay, chs 2 & 5. (NOT CKPR -Mike Reid.)

Robert Grant (8/85, 11/85 and 3/86 CCIs)

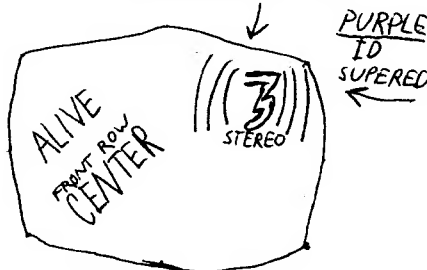
Fri 7 Jun Es ch 6 1704 EDT-- ATV, ad- "Cape Breton Auto" (Definitely CJCHL. And each ATV primary DOES run It's own ads. -Mike Reid.)
Sat 8 Jun Es ch 3 1357 EDT-- "Market to Market" (seen on KOET. -Matt Sittel.)
Sun 4 Aug Es ch 2 1340 CDT (From La.)-- movie described. (WRZ had "North To Alaska" at that time. -M. Reid.) (Tnx, but I don't think that fits the bill for what I saw. -RG)

Larry Van Horn's drawings were unusable and did not contribute any information.



DRAWING 1

NOTE OPEN TOP LEFT



DRAWING 2

This Es season has been much better than the past three disasters. It doesn't quite compare to the "Barnburners" of 1980 or the "25 hr/ 8 days a week" Es sessions of 1981 but I do rate 1986 a 5 for quality and a 6 for quantity. Late July has been a nearly everyday ch 3 Es. And there has been Tr too.

Does anybody out there know who in USA on 1310 kHz is in Spanish at night??
73 & gud DX.

Eric Bueneman
836 Lamplight Lane
Hazelwood, MO 63042-3407

GUEST EDITOR: John Jefferson, 4016 Crest Street, Pleasanton, CA 94566

Guess it's time for a report, though there's nothing particularly exciting to share with the club. If there's been any winter or off-season skip, I've sure missed it. My work schedule doesn't leave many daytime hours for monitoring, which doesn't help. All loggings were from here in Pleasanton, except as noted below. As always, the MR80 was the tuner, fed by the S/Probe-9 at 55' off the ground. Underlined are new; dashed underline indicates a new mode. # indicates new to Pleasanton (but not to the Bay Area), @ indicates a Concord logging (a former residence) and % an Oakland logging (that's where it began in 1957); these

(continued page 11)

(continued page 11)

JOHN EBELENG at Prosit MN cont'd

SEPT 1986 NORTHERN FM DX (2)

FEB 22 1986 Au

2230 KELO 92.5 SD Sioux Falls
 2235 KOLB 92.3 IA Oelwein
 MAY 1986
 0830 WEAS 93.1 GA Savannah
 0835 WSNL 93.5 GA Sandersville
 0837 WPEH 92.1 GA Lewisville
 0850 KLCR 99.3 OK Ponca City
 0855 WCON 99.3 GA Cornelia

25 Es

0930 KIJN 93.1 TX Amarillo "293"
 0934 KCLV 99.1 NM Clovis
 0935 KNTT 95.3 NM Portales
 1657 KIZN 93.1 ID Boise Plymouth
 1700 KIYS 92.3 ID Boise

JUNE 1986 11 Es

1600 KVKI 96.5 LA Shreveport
 1638 KHOO 99.9 TX Waco
 1641 KLUJ 99.9 TX Wichita Falls
 1644 KMEZ 100.3 TX Dallas
 1646 KILT 100.3 TX Houston
 1652 KORQ 100.7 TX Abilene
 1654 KMCO 101.3 OK McAlester
 1700 KLAU 101.5 OK Lawton
 1705 KDSQ 101.7 TX Sherman
 1709 KSNY 101.7 TX Snyder
 1720 KWES 102.1 TX Monohans
 1742 KHUT 102.9 KS Hutchinson
 1803 KKTU 103.9 TX Brownfield
 1804 KDXR 104.3 TX Borger
 1811 WKXS 107.9 MA Medford
 1813 KZ70 107.5 NM Clovis
 1857 KIZI 99.9 AZ Phoenix

It's interesting to note the different geographical areas that we logged between us, being only 160 miles apart. Only one common station between us: KZ70 107.5 NM Clovis!
 Regards for now, John.

JOHN J. RIEGER - 1586 S. 82nd St. - West Allis WI 53214 ELT

JUNE 1986

11 Es
 1943 KBPI 105.9 CO Denver r ads request line
 1946 KDBL 105.3 CO Rifle ID
 1947 KVMT 104.7 CO Vail lcl nx IDs
 1948 KOSI 101.1 CO Denver b "Cozy"
 1948 KISF 96.1 CO Greeley "Kiss-FM" wx
 1951 KRAI 93.7 CO Craig AM-FM promo
 2000 KYOU 92.5 CO Greeley lcl nx k ID ABC Dir Country 92 WJPD
 network nx at :55. (Thanx for DX bulletin; I'll take it to club convention to show around-s)

Equipment: Panasonic RF 2200, RF 2900, stock whips.

ROBERT GRANT - 5775 Bishop - Detroit MI 48224

JUNE 1986

11 Tr
 1633 CBEE 88.1 ON Chatham (ex-95.1)
 11 Es
 1642 WLKC 93.5 GA StMary's "Your GA-
 FL connection, KC-93"
 1800 KMOR 92.9 NE Scottsbluff
 1839 KQSK 97.5 NE Chadron "Q-98" ads
 1844 KYOU 92.5 CO Greeley (phone #s)
 I used to use CBEE as an alternative to CBE 1550 Windsor when interference on AM was bad or thunderstorms. CBEE is now unusable, CBE much better. Some calls herein may be incorrect but I'm certain of the loggings. WCXI now WNTM (rm); WKSG has new xmtr QTH about 20' west of old one. 73's, good dx, see y'all in Jamestown. (Yes, I'll c.u. TOMORROW, hi!-saul)

Not a lot of room to end this editorship on. Thanks must go to everyone who has reported to this column. Keep it up for Joe. If Joe's own contribs are any indication of things to come things can only get better. I'm forwarding stuff to him from: Bill Nollman, Bob Seybold and myself. I'm looking forward to CONTRIBUTING. It's been a piece! 73s, Saul.

John Jefferson

count on my Bay Area logging as they, Pleasanton, & Castro Valley (parents' home & also a former residence) all fit easily within the WTFDA-standard 30-mile triangle.

TIME	CALLS	FREQ	ST	CITY	DIST	REMARKS
9/13/85	tr					
0733	KNSS	98.1	NV	Carson City	150	ID
0734	KKUS	98.1	CA	San Luis Obispo	170	US-98, SLO (KABL off)
10/12/85	tr					
2125	KRBQ	102.7	CA	Red Bluff	170	ID (new)
11/25/85	ms					
0137	KLPX	96.1	AZ	Tucson	735	Calls
12/10/85	ms					
0745	KXL	95.5	OR	Portland	560	Calls (new mode for Pleasanton only)
12/28/85	ms					
0042	KMP5	94.1	WA	Seattle	705	Calls
12/29/85	ms					
0219	KPLU?	88.5	WA	Tacoma		Jazz pgm
1/2/86	ms					
0225	KWFM	92.9	AZ	Tucson		Calls
1/3/86	ms					
0226	KEKB	99.9	CO	Fruita	725	Calls
2045	KPST?	92.9	??	??????		Tent calls
1/4/86	ms					
0930	KISM	92.9	WA	Bellingham	775	ID
1/15/86	semilocal					
2301	K285CG	104.9	CA	Modesto	45	KSAN ID
1/17/86	tr					
2355	K202AP	88.3	CA	McCloud	250	KSOR ID
1/29/86	semilocal					
2200	KKBN	93.5	CA	Twain Harte	100	ID K228AK off
2/14/86	semilocal					
1957	KZFR	102.9	CA	South Lake Tahoe	133	ID KBLX off
2/19/86	gw/semilocal					
0350	K50L1	107.7	CA	Pleasanton	11	KSOL ID
0400	K207AR	89.3	CA	Santa Cruz	39	KEAR ID
3/1/86	gw					
0059	KFMF	89.7	CA	Prunedale	65	ID
3/20/86	gw					
1828	KRQR1	97.3	CA	San Ramon	5	KRQR Calls
1836	K228CI	93.5	CA	Walnut Creek	2	KYA Calls
1841	KJAZ1	92.7	CA	Orinda	5	KJAZ Calls
1850	KINQ1	92.1	CA	Oakland	5	KING Calls

The March 20 loggings were the result of an Oakland Symphony concert. Took the ICF-2001 along to check out the four relayers logged. The KRQR & KJAZ boosters were logged on the basis of the dramatic improvement of the signals over what the primaries used to provide. In KINQ1's case, there was previously no signal worth mentioning (let alone listening to) in Oakland, & now they're almost like a local. (KRQR1 is appended to the Pleasanton log since it was heard about 5 miles from here, closer than to any of the other sites. It is impossible to log at the house because KRQR is too strong; I could infer its presence by an increase in multipath to the north, but that's it.)

Well that's it for now. May the skip season be with us all.

Yours truly, John M. Jefferson

EASTERN TV-DX

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It's continued to be a good summer for E-skip on channels 2-6. Tennessee's Skipmaster Matt Sittel noted skip almost daily during the first two weeks of July, and bagged several new stations, including a double-hop YSR-2 from El Salvador. Bill Nollman's screen was blessed with many new IDs, and he also snared a nice 2-hopper in the form of XHRIO-2. Here in the extreme south, the 8th, 16th, 26th, and 27th of July produced particularly nice openings, with less intense skip spread throughout the month. Tropo has not forgotten everybody, either: witness Roy Barstow's report on this very page!

As I prepare this column, many of you are enjoying yourselves at the 1986 WTFDA Convention in Jamestown. Alas, work commitments have again prevented me from making the trip, but I hope those who were fortunate enough to go had a great time! **SOMEDAY I'll make it to one!**

Roy Barstow, POB 488-T, Teaticket MA 02536 (EDT assumed)

MAY 1986	JULY 1986	JULY 1986
9 E 1900 WPBT-2 FL 1210	4 T 2200 VA/MD/DC Us	25 T 2115 WMED-137 ME T
2000 CJAP-3 NF	9 T 0150 WRLH-35 VA 470	2130 CJCH6-6 NS 340
"1st Es this season"	0215 WKFT-407 NC T	2135 CKLT-9 NB 350
10 E 2230 KTCA-2 MN 1150	14 E 1820 "t/in-heavy	2158 CBHFT7-34 NS
2300 WCIA-3 IL 935	2-6 at times"	2200 CHSJ-4 ? NS T
2305 WDAF-4 MO 1270	1830 WCB1-4 MS 1130	2200 WFTB-54 lcl qual
2330 KMTV-3 NE 1310	2200 KOET-3 OK 1405	2300 62 NY/26 ME same
15 T 2330 CJCH7-40 NS 280	"and others"	26 T 0000 CJCH-5 NS 410
16 T 0120 CBHFT7-34 NS	15-21 T NS 40, NY 6, VT 3,	0030 CBHFT2-7 NS
0120 CBHFT7-58 NS	ME 2, NH 52, VT 31/41	(?? My list shows a
0130 CBHFT7-24 NS	22 T 2240 WTGI-61 (NJ) 275	CBHFT2-7 [EE1--jfc]
0130 CBHFT7-52 NS 325	23 T 0032 WDPB-64 DE 330	0030 CBHFT-13 NS 410
0140 CBHFT-3 NS 410	0115 WCVB-23 VA 470	"// w/above"
+ CCI on 13 ME & 3 CT	0200 Cradocksville VA	0145 CBHFT1-3 NS 280
17-31 T "Down coast to VA	xltrs 52/58/63	0145 CBHFT1-12 NS 345
+ Es noted 16-18"	Onancock VA xltrs	0145 CBHFT3-11 NS 280
- JUNE 1986	0210 W147? DE	0155 CBHFT8-55 NS 455
1-9 T "Down to E. VA w/	(WGBR-49 xltr)	0158 CJCH2-9 NS 500
Onancock xltrs"	2100 WVRN-63 VA 470	0202 CBHFT7-157 NS T
10 T 2200 "NJ/PA Us &	(New calls?--jfc)	0204 CJCH6-6 NS 340
down coast to E. VA"	2100 WTGI-61 "equal	0210 CJCH7-40 NS 280
2200 WJKA-267 NC T	to 61 CT"	0230 CJCH1-10 NS 400
11-30 T "South to E. VA"	2130 WRLH-35 VA 470	0231-0340 unID-2/4/8
JULY 1986	"*DC & others"	0830 C----- 3/4 cb
1 T 2200 W17AG NY 185	25 T 0030 CBHFT7-58 NS "on	
(New York WPIX-11)	cable 14 after	
"over/under WPHL"	WCVX off--just	
2230 CJCH7-40 NS 280	frame bar on ant."	
2300 CBHFT7-34 NS	0035 CKCO3-427 ON T	
"Also NS 52/24/58/46"	0100+ "PA 8/21/28/43/	
2 T 0125 "WTXX-20 CT on	44 + WGCB-49 //	
Ch. 161" (New	W147?"	
xltr?--jfc)	2030 CBHFT5-46 NS 380	
4 G 1325 "WCVX-58 MA on	2032 CBHFT7-24 NS	
Ch. 3" (Wierd!	2030 CBHFT7-52 NS	
--jfc)	2100 CBHFT-3 NS 280	



E=VUD²

"High pressure off the south coast of NS and warm temps gave this DXer the best ever reception of Nova Scotia. Keeping a close eye on the weather maps is a must...What can I say about location? Either you have it or you don't. I have received some 270 tropo stations in 20 years of watching the tube. Yet I can count on my ten fingers the number of stations received [via tropo] over 400 miles west of my location! (That's OK--no one on earth can top you on the Maritimes!!--jfc) I am in the process of upgrading the equipment in the cellar 'dungeon.' (Hope there's some heat down there for wintertime DXing--jfc) Have added a Teknika 6510 tuner & have a rain check for a new 19" Zenith color set."

EASTERN TV-DX


Matt Sittel, 220 Brookfield Dr., Kingsport TN 37663 (615) 239-9186 (EDT)

JUNE 1986	JULY 1986	JULY 1986
21 E 0930 unID-3 CBS	9 E 0856 KFDX-3 TX 936	13 E 1003 KOTV-6 OK 747
25 T 0957 WOAY-4 WV 110	0920 KMID-2 TX 1174	1004 KMID-2 ? TX T
0958 WSAZ-3 WV 142	0924 KENW-3 NM 1206	14 T 0956 WSAZ-3 WV 142
E 1556 KENW-3 NM 1206	0932 KGBT-4 TX 1166	0959 WOAY-4 WV 110
1558 KACB-3 TX 1088	0937 KMOL-4 TX 1053	1004 WDTN-2 OH 252
1610 KAMR-4 TX 1116	0949 KRIS-6 TX 1055	(See Note #4)
1610 KTVY-4 OK 837	1028 KATC-3 LA 702	1032 WCMH-4 ? OH T
1621 KPTX-3 TX 911	1028 KIII-3 TX 1055	1100 WVAH-23 WV 148
1629 KDBC-4 TX 1413	1028 KPRC-2 TX 878	1115 WKBZ-2 OH 252
1646 KTVB-6 KS 975	1041 KCEN-6 ? TX T	1121 WKAS-35 KY 145
1651 KSNW-3 KS 819	1047 KIDY-6 TX 1088	E 1721 CBHT-3 NS 1116
1652 KHAS-5 ? NE T	1048 KXAS-5 ? TX T	1751 WBZ-4 MA 734
1656 KNOP-2 NE 1071	1053 XET-6 NL 1302	1809 WFSB-3 CT 642
1757 KDUH-4 NE 1206	1101 KBTX-3 TX 911	1847 WCAX-3 VT 746
1758 KCNC-4 CO 1242	1128 XHRIO-2 TA 1184	"34th state logged"
1821 KOTA-3 SD 1233	1158 KACB-3 TX 1088	1917 KDLO-3 SD 990
2242 KSNK-2 KS 903	1259 KFDX-3 TX 936	1921 KGAN-2 IA 623
26 T 1041 N'ville 2/4/5	1828 WFSB-3 CT 642	1923 WLBZ-2 ME 936
1102 N'ville 8/17/30	1828 WSTM-3 NY 567	1931 KLNK-3 NE 958
(246 miles)	1828 WLBZ-2 ME 936	(See Note #5)
1103 WGBB-53 KY 226	1829 WBZ-4 MA 734	1936 KTVS-3 CO 1152
1103 WKZT-23 KY 286	1829 CBHT-3 NS 1116	1936 unID-5
1104 WKMA-35 KY 136	1854 WGBH-2 MA 734	1938 KMTV-3 NE 797
1107 WBBJ-7 TN 360	10 E 0956 WGBS-2 NY 550	1939 KOTA-3 SD 1233
30 T 1030 WDTN-2 OH 252	0957 WFSB-3 CT 642	1939 KDUH-4 NE 1206
1055 WCMH-4 OH 256	0957 WSTM-3 NY 567	1941 KTIV-4 IA 855
1100 WOAY-4 WV 110	0958 WLBZ-2 ME 936	1943 KSNW-3 KS 819
JULY 1986	0958 WBZ-4 MA 734	1946 WCCO-4 MN 815
1 T 1030 Same as 6/30	1001 CKCW-2 NB 1107	2000 MUF Ch. 5
2 M 1117 unIDs-2	1006 unID-3 CT	2027 KNOP-2 NE 1071
2-6 In Nashville TN	1006 CHSJ-4 NB 1055	2031 KPRY-4 SD 1098
7 E 1028 Cuba-2 TV-6 Net	1018 CBHT-3 NS 1116	2059 KDHL-3 MN 882
1032 unIDs to 4	1023 CBFT-2 PQ 783	15 E 1141 Cuba-3 TV-6 Net
1300 Cuba-3,5,6 TV-6	1028 CBIT2-27 NS T	16 E 0940 WESH-2 FL 508
1330 Cuba-4 TR Net	1058 WGBH-2 MA 734	0943 unID-3
1417 KPRC-2 TX 878	"would have had great	(See Note #6)
1519 KIII-3 TX 1055	photo of it had I	0955 KENW-3 NM 1206
1543 KBTX-3 TX 911	remembered to take	0958 KFDX-3 TX 936
1551 KMOL-4 TX 1055	VCR off pause...@#!"	0958 KAMR-4 TX 1116
1559 KACB-3 TX 1088	1112 WNBC-4 ? NY T	0958 KMID-2 TX 1174
1600 KDFW-4 TX 864	1133 CKCO2-2 ON 648	1000 MUF 94.5 MHz
1606 KMID-2 TX 1174	1214 XHRIO-2 TA 1184	1042 KSNK-2 KS 903
1629 KFDX-3 TX 936	"nice to watch Canada	T 1059 WKRN-2 TN 246
1631 KENW-3 NM 1206	and Mexico at same	(See Note #7)
1707 KOET-3 OK 742	time!"	E 1114 XEPM-2 CH 1413
1828 CBFT-2 PQ 783	1216 Cuba-3 TV-6 Net	"ad for El Paso in
1828 CBFT2-3 PQ 788	1230 unID-5	English, but SS
1830 CBOT-4 (PQ) 719	1254 KJRH-2 OK 747	movie"
1831 CKRN-4 PQ 822	11 E 1738 Cuba-3 TV-6 Net	1203 Cuba-2 TV-6 Net
8 E 1005 XEPM-2 CH 1413	(See Note #1)	1217 unID-2,3 with
1008 KBTX-3 TX 911	1753 WPBT-2 FL 747	Donald Duck
1009 KMOL-4 TX 1053	1757 Cuba-4 TR Net	(Maybe it was a tropo
1018 KPRC-2 TX 878	1757 WTVJ-4 ? FL T	duckt? [sorry...]
(Tech. diff. left ID	1758 WCIX-6 FL 747	couldn't resist!!--jfc)
slide up for 1 min.	1759 Cuba-5 TV-6 Net	1221 Tele-Antillas-2
--good for photos!)	(See Note #2)	DR 1608
1127 KIII-3 TX 1055	1901 XHY-3 YU 1358	1226 KTW-2 WY 1339
1140 KGBT-4 TX 1166	2054 KIII-3 TX 1055	1228 KTVS-3 CO 1152
1141 XEFT-2 ? NL T	2058 KBTX-3 TX 911	1231 KNOP-2 NE 1071
T 1212 WOAY-4 WV 110	12 E 1059 WPBT-2 FL 747	1237 KDUH-4 NE 1206
E 1228 KDFW-4 TX 864	1138 Cuba-3 TV-6 Net	1248 WQWT-6 NE 797
1230 KJRH-2 OK 747	1139 unID-4	"but no FM"
1231 KAMR-4 TX 1116	13 E 0946 KJRH-2 OK 747	1251 KPRY-4 SD 1098
1236 KSNW-3 KS 819	(See Note #3)	1258 KMTV-3 NE 797
1237 KFDX-3 TX 936	0948 KTVY-4 OK 837	(See Note #8)
1251 KXAS-5 TX 887	0958 KENW-3 NM 1206	1350 YSR-2 ES 1919
1332 KTB3-3 LA 702	0959 KAMR-4 TX 1116	(See Note #9)
1402 KTVY-4 ? OK T	1000 KFDX-3 TX 936	1358 KUSD-2 SD 878

-----COMMENTS FROM MATT "SKIPMASTER" SITTEL APPEAR ON THE NEXT PAGE-----

Sittel, continued

(Refer to loggings on previous page...)

- NOTE #1: "Frequently uses NTV 1D; also, about 1/2 the time uses a new 6"--- (6)
- NOTE #2: "Local t-storms knocked out WCYB-5's xmtr for about 5 minutes, and I got my first unobstructed ch. 5 Es!! Station was running music videos." ("The Castro Shuffle," perhaps?--jfc)
- NOTE #3: "Another rarity--WSJK-2 also off due to storms...first Sunday off ever, to my knowledge--did not s/on till past noon and they are usually on at 0800. They picked the right day not to be on, and I deserve it! Lately they air TP's off and on from 1000-1400, blocking Es."
- NOTE #4: "By this time I have seen WDTN-2 every day. I suppose I could call it a local now, but I never see it any other time of year, and now I've seen it for two weeks straight!"
- NOTE #5: "This is the 15th time I've gotten KLNE-3 and it has never been clear. This has gone on for 10 years. I might be better off going to NE!!" (If you did, their xmtr would probably blow and they'd be off-air. This probably comes under one of the corollaries to Murphy's Law [I think Murphy was a DXer].--jfc)
- NOTE #6: "A weird TP, but I suspect it might be Cuba"--
- NOTE #7: "Strange sight, Tr during Es but no sign of it on FM!"
- NOTE #8: "First logging of it as CBS, and same for WOWT-6 as NBC. KMTV has a new ID which can be potentially confusing with KYTV-3's 'KY-3.'" 
- NOTE #9: "I was really amazed to first see Tele-Antillas, then this...lotsa talk about San Salvador and nearby San Diego. What a strange happening, a DOUBLE-HOP for sure. At 1400 had El Salvador, Cuba, and Omaha at same time! Not too shabby! (I wish the Nielsen people would send you a diary...you'd drive 'em NUTS!!--jfc)

"Lots of firsts to report...my first UHF tropo, with WZTV-17, my first ch. 5 E-skip seen without WCYB in the way, and my first Central American country with YSR-2. I also noticed on 7-10 the Cuban TV-6 Net on ch. 2 was running "Call of the Wild" in Norwegian, with SS subtitles! I am within a stone's throw of having reported 500 stations this year, most by Es. (Matt--do you mean 500 different stations, or 500 total loggings, with duplications?--jfc) This report contains 202 stations, making it fun for Mister Eddy-tor to type up my report, hi!! (I don't mind the work, really. I'm not seeing much myself these days, so I can sort of vicariously enjoy your DX while typing it!--jfc) I still have lots of TV GUIDES to exchange...please, write me for them as I can't wait to get rid of over 30 local editions for 30 various editions. The local Bristol-Kingsport-Johnson City edition contains such Es possibilities as WSJK-2, WYFF-4, WCYB-5, and WATE-6, and such tropo possibilities as the new WETO-39. The Knoxville-Chattanooga edition has WATE-6, WRCB-3, WTVK-26, WDSI-61 and more. Please write so I can get rid of them!"

Bill Nollman, Box 184, RFD #1, Bozrah CT 06334 (EDT assumed)

MAY 1986	JUNE 1986	JULY 1986			
26 E 1328 WESH-2 FL 975	15 E 1830 WTVF-5 TN 875	7 E 1135 WBRZ-2 LA 1300			
JUNE 1986	1830 WMC-5 TN 1050	8 E 1030 WSB-2 GA 875			
10 E 1100 WRCB-3 TN 845	1856 KFSM-5 AR 1265	1046 WESH-2 FL 975			
1140 WBTB-3 NC 650	1900 KARK-4 AR 1190	1100 WEDU-3 FL 1105			
1300 WHAB-2 MS 1055	1925 WESH-2 FL 975	1124 WPBT-2 FL 1200			
1331 WTVY-4 (FL) 1040	1943 WEDU-3 FL 1105	1200 WPTV-5 FL 1120			
1336 WBRZ-2 LA 1300	1954 WKRN-2 TN 875	9 E 1813 WBRN-6 AL 975			
11 E 1030 XHRIQ-2 TA 1820	1954 KETS-2 AR 1180	1828 WTVY-4 (FL) 1040			
12 E 1130 KSNB-4 NE	19 E 0950 KGAN-2 IA 990	10 E 1059 WKRG-5 AL 1170			
14 E 1900 WFMY-2 NC 570	30 E 0959 KTVI-2 MO 975	1130 WTVY-4 (FL) 1040			
1915 WDAF-4 MO 1170		1204 WSB-2 GA 875			

On XHRIQ-2: "I didn't think any more Ch. 2's could be had after getting 20! Then this little early birthday present arrived! (Beats another tie, eh?--jfc) It was in and gone in a matter of 2 seconds! Luckily, the exact pix of what I saw was on pg. 37 of 11/85 VUD. Thanx to Jeff Kadet and Dave Nieman!"

On WBRN-6: "YEAH! It's about time I conquered the superlocal FMs. Hearing 'BRC-6 ALABAMA' on the low end of the FM, and thinking I was hearing things I checked the 2-6 listings and almost fell over. Switched the TV over to Ch. 6 and saw it, too! Ch. 6 Es is almost impossible here 'cause of WNPR on 89.1 exactly 1 3/4 mi. west of here...I get classical music on Ch. 6, usually!"

Alain Pepin, 234 Montcalm, St-Jean-sur-Richelieu, Quebec J3B 3N8 (EDT)

MAY 10 1986: E 1402 WCIV-4 Charleston SC (1500 km)

1410 WCB-2 Charleston SC (1500 km)

Receiver: Magnasonic TMT-55

Antenna: TV tower and rotor

"I tried to get as close to your logging format as mine lets me. The distances are in KM. I have a distinct aversion for english measures, being in the surveying trade. These are of course accurate within 10 km and calculated along the surface of the earth. The antenna is your average thing on the roof with a rotor. Why I can't get WCFE Ch. 57 when my car gets it all the way to the Laurentians is beyond me. I need advice on UHF home reception."

(Glad to see your report!! I, too, believe that our system of weights and measures is arbitrary and archaic, and that the metric system makes infinitely more sense. However, I am also constrained by the realities of the American ego to know that we, in our self-righteousness, will probably adhere to miles and pounds forever and ever, amen. [The editor invites responsible parties to rebut this editorial...! Anyway, if I switched over to KM wholesale I'd be lynched by American DXers, and there's not enough room to phase in KM by printing both. If anyone has advice on UHF reception for Alain, please write him!--jfc])

Robert S. Ross, VE3JFC, Box 4373, Stn. C, London, Ontario N5W 5J2 (EDT)

MARCH 1986	MARCH 1986	JUNE 1986			
31 T 1850 WBNX-55 OH	31 T 2000 WGTE-30 OH	11 E 1915 KOA-4 CO			
1900 WCLQ-61 OH	2005 WVIZ-25 OH	19 T 0703 CICO12-12 ON			
1909 CICO-59 OH	JUNE 1986	21 T 0600 WBNS-10 OH			
1918 WOLN-54 PA	10 E 2230 WEDU-3 FL	"Local CFPL off"			
1930 WKBD-50 MI	2300 WESH-2 FL	26 T 0700 WCMU-14 MI			
1945 WUPW-36 OH	11 E 1457 KTBS-3 LA				

Equipment: Toshiba 12" Portable, whip for VHF, flying arrow for UHF.

Robert Grant, 5775 Bishop, Detroit MI 48224 (EDT assumed)

JUNE 1986	JUNE 1986	JUNE 1986			
7 E 1500 KBTX-3 TX 1085	15 E 1835 WWAY-3 NC 625	25 E 2300 KATC-3 LA 995			
8 E 1100 KFDX-3 TX 1025	19 E 1155 Cuba-3 ? T	2300 WLBT-3 ? MS T			
10 E 1800 Cuba-3 (6 Net)	1155 WEDU-3 ? T	26 M 0527 UNID-5 w/TP			
2300 WSAV-3 GA 715	1230 WEAR-3 (AL) 845	JULY 1986			
2300 WEDU-3 FL 1015	20 T 2230 WISN-12 WI 255	9 E 2008 WEDU-3 ? FL T			
11 E 1130 KATC-3 LA 995	2300 WMVS-10 WI 255	13 E 1000 KIII-3 TX 1300			
1600 KRMA-6 CO 1170	21 T 0025 WBAY-2 WI 285	14 E 2015 WBRN-6 ? AL T			
1630 KATC-3 LA 995	0025 WMTV-15 WI 330	2201 KVBC-3 ? NV T			
1705 WPTV-5 FL 1100	0025 WKOW-27 WI 330	22 E 1220 WESH-2 ? FL T			
1730 KTVS-3 CO 1040	0025 WCFC-38 WI 235	23 T 2200 WTTT-28 OH 150			
1730 KYCU-5 WY 1135	0025 WXYZ-32 WI 285	"Stn #316 & UHF #125"			
1730 UNID-5	0235 UNID-5 to NW	2200 WOSU-34 OH 150			
"ID as 7777/26"	"Dr. Gene Scott--	2200 W47AB OH			
1830 KLNE-3 NE 860	zero-beat to WEWS" 24 T	0240 CICO12-12 ON			
1933 KOTA-3 SD 1020	25 E 2100 KLNE-3 NE 860	0240 WTV-9 OH 185			
15 E 1550 KTVS-3 CO 1040	2130 KRMA-6 CO 1170	E 1500 KTVS-3 CO 1040			

"I put my 7-foot Finco dish up for a short time--what a disappointment! The only station that did better was WXON-20; the other UHF's were weaker than on an indoor loop, and K66BV, which is weak but watchable on a loop, was gone completely on the dish! (Funny, I thought the P-7 was especially good on the higher channels.) I took the dish back down when I saw the results (why risk the rotor?) and I am wondering if outdoor UHF antennas are the consumer fraud of the century." (No, I think Herbalife is vying for that title. Seriously, there must be something strange about your QTH. How much lead-in [and what type] were you using, etc? Anyone with ideas please drop Robert a line!--jfc)

"Funny you mentioned trying to get the c.e. at WJBK (re: ch. 3 logging in my last report). When I saw it, I tried to call engineering at WJBK but couldn't get through a switchboard operator. (And who can blame them...they must get hundreds of calls every time a CBER turns on his kicker!) A few weeks ago, I got a surprise when an engineer at WJBK called me!! He started by defending his rig, but we got into a nice 90-minute QSO about TV tech and the history of TV in Detroit. I invited him to join WTFDA....The past week and a half has seen almost continuous Es on 2 & 3, but few IDs--sure wish I was out of the city. Thanx fer working distances on my last loggings--did your computer do that? (With my help...I wish I could train it to do the column by itself! Used the "official" Detroit coords [lacking coords for your QTH] then rounded. Those interested in knowing exact DX distances see the ad later in the column!--jfc)

Marvin Shults (continued)

6 tr 0430	KLRTT 16 AR	0515	unid 55 w/WHO-13	19 tr 0523	KPTM 42 NE
	KHTVT 39 TX	0520	unid 30 open ckr	1328	KLDH 49 KS
0453	KSTP 5 MN	0530	unid chs 20, 26	1330	KSAST 24 KS
0459	KNLJ 25 MO	0949	WIII 64 OH	1400	KSNT 27 KS
7 Es 1328	WCIX 6 FL		Green Bay 11,26, and 38	1411	KSAST 24 KS
1329	WPBT 2 FL	Es 1159	KNAB 2 AZ	1411	KOPT 19 MO
1358	WESH 2 FL	1228	KFDX 3 TX	0448	WHBQ 13 TN
1359	WEDU 3 FL	1229	KACB 3 TX	0450	KPOB 15 MO rare
1400	WPSD 6 KY	1232	KMID 2 TX	0455	Detroit 50, 56
1730	WPBT 2 FL		KNAB 2 AZ	0456	unid ch 10 s CBS
8 Es 1229	WESH 2 FL	1234	KWAB 4 TX	0515	KSNF 16 MO
	WEDU 3 FL		KDFW 4 TX	0530	KOLR 10 MO
1256	WCIX 6 FL	18 tr 0428	WNEM 5 MI	Es 1129	KUTV 2 UT
1300	WPBT 2 FL	0430	WKBD 50 MI	1139	KSL 5 UT
9 Es 1221	KENW 3 NM	0433	K20AD 20 MN	1145	KOWY 5 WY
1227	KACB 3 TX		(Worthington KSTP- 5)	1146	KCWC 4 WY
1230	unid ch 2 Mexico	0435	WIHT 31 MI	1147	unid ch 3 K---
1258	KJACT 4 TX	0436	WAQP 49 MI	1231	KTVQ 2 MT
1300	KPRC 2 TX	0437	WUPW 36 OH	1233	KOUST 4 MT
10 tr 0659	Minneapolis 11, 23, and 29	0439	&WVIZ 25 OH		KTVMT 6 MT
		0443	WDLI 17 OH	1300	KRTV 3 MT
11 Es 1138	CBFTT 2 PQ	0444	unid 39 w/WHO-13	1331	KPBB 5 MT
13 tr 0500	KSHB 41 MO		WUAB 43 OH	1359	KTWO 2 WY
	Kansas City 5,62		K2BAE 28 MN	1600	KWGN 2 CO
	KNLJ 25 MO	0451	(Fairmont LPTV)	25 tr 0423	WAVE 3 KY
0515	WXIX 19 OH	0453	WOWT 6 NE	0430	WXIX 19 OH
0524	2 unid 55 10 kHz	0459	K33AA 33 IA		WHAS 11 KY
0531	WDAF 4 MO		(Ottumwa w/WISN-12)	Es 1059	WPBT 2 FL
0546	K54AF 54	0504	WOIO 19 OH		WEDU 3 FL
	(Keosauqua w/WISN-12)	0506	unid ch 68 e rel	1100	WJXT 4 FL
14 Es 2059	WPBT 2 FL	0508	WIII 64 OH	1105	WESH 2 FL
	(\$ TV For All of S FL)	0512	unid ch 48 STV	1107	WPTV 5 FL
15 Es 0422	WUPW 36 OH	0514	unid channel 55	1135	unid ch 2 W---
0422	WAVE 3 KY		(Iron Mountain?)	1142	ICR t 2 Cuba
ms 0450	unid blips on 4	0515	WPTD 16 OH	1224	ICR t 2 Cuba
46 tr 0424	WTVQ 36 KY		WPTO 14 OH	26 tr 0830	Detroit 50,56,62
0428	WAVE 3 KY	0530	KIMT 3 IA		KC 41, 50, 62
0439	WBNA 21 KY	0540	WLEX 18 KY	Es 0855	WESH 2 FL
0445	WTOL 11 OH	0543	KZKC 62 MO	0856	ICR 2 Cuba
0452	W57AO 57 IL	0544	WCET 48 OH	0858	WPBT 2 FL
	(Robinson PTL)	0547	KMEG 14 IA	0923	unid ch 2 Mexico
	unid channel 57	0548	KPTM 42 NE	1058	XEPM 2 CH
0454	WXIX 19 OH	0549	K74CO 74 IA	1100	ch 2 jumbled all morning
	unid channel 19		(Ottumwa KCCI- 8)	1254	KENW 3 NM
0457	Detroit 50, 62		K76BZ 76 IA	1259	KRGV 5 TX
0503	WIII 64 OH		(Ottumwa WHO -13)	1357	XEPB 2 NL
0512	WEAU 13 WI	Es 1054	WGBH 2 MA	1359	KRIS 6 TX
0530	WLEX 18 KY	1055	CBFT 2 PQ	1444	KENS 5 TX
0531	WAAV 31 AL		CJBRT 3 PQ	1447	KJACT 4 TX vert
0534	WCET 48 OH	1058	WBZ 4 MA	1456	KPRC 2 TX
	WAFB 48 AL	1100	WGBH 2 MA	1500	KIII 3 TX
0537	WCAYt 30 TN	1113	WFSB 3 CT	1611	KMOL 4 TX vert
0539	WZTV 17 TN	1211	CHSJ 4 NB	27 tr 0424	Kansas Cty 41,62
0554	KITN 29 MN	1228	CHII2 2 PQ	0427	WXYZ 7 MI
0555	WQOW 18 WI	1232	CBOT 4 ON	0436	WXIX 19 OH
0556	KZKC 62 MO	1234	WTAE 4 PA		WLIO 35 OH
0557	KEYC 12 MN	1247	WLBZt 2 ME	2200	WKON 52 KY KET
17 tr 0425	WTVQ 36 KY				WKMR 38 KY KET
0428	WAVE 3 KY \$	19 tr 0443	Detroit 50,56,62	29 tr 0430	K20AD 20 MN
0430	unid ch 5 east	0447	WLEX 18 KY	0411	WKPT 19 TN
0432	WLIO 35 OH	0452	unid 55 w WHO-13	0412	WDIO 10 MN
0447	WTTT 28 OH	0503	WXIX 19 OH	0430	WBIR 10 TN
0449	WNIN 9 IN	0505	WZTV 17 TN	0432	KSTP 5 MN
0450	WTCT 27 IL	0506	WTVN 7 OH	0440	WATE 6 TN
0451	unid 39 w/WHO-13		WHIO 7 OH	0443	WKCH 43 TN
0452	WLCN 19 KY	0507	WLWT 5 OH	0452	WTVK 26 TN
0455	WXIX 19 OH		unid 39 w/WHO-13	0453	unid channel 33
		0522	KSHB 41 MO	0459	WCCO 4 MN

Marvin Shults (continued)

30 tr 0511	WLEX 18 KY	30 tr 0513	WPTO 14 OH
0513	WPTD 16 OH	0523	WETO 39 TN

(Marvin, did you have audio with your unid loggings of WHO-13 on channels 39 and 55? Could these have been the upper adjacents of channel 12 input translators, K38AB and K54AF? fm)

Jeff Kadet, Box 20, Macomb, IL 61455

CDT

Equipment: Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith Y1310 (all circa 1979-1982), Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with PA 4975 preamp, .500 cable at 55', Winegard 5 element low band vertically polarized at 20'.

July 1986

3 tr 2157	WEIU 51 IL 150	9 Es 1230	unid channel 3	18 tr 0412	K58## 58 ?? ???
5 tr 0543	KTBS 3 LA 580		(Resolution TP)		(Unknown KSTP- 5)
0544	KTAL 6 LA 580	12 Es 1357	XEPM 2 CH 1055		(Is this Window?)
	(WX Map & ID)	12 Es 1125	WPBT 2 FL 1175		K62AI 62 MN 325
0545	KLMLG 51 TX 600	1222	WESH 2 FL 950		(Window WTCN-11)
0554	KHTV 39 TX 800	1230	KPRC 2 TX 800		0431 K56AH 56 MN 325
	KRIVt 26 TX		unid ch 2 Mexico		(Window KMSP- 9)
	KTRet 9 TX	2208	XEFB 2 NL 1160		0454 K60AD 60 MN 325
Es 0821	unid ch 2 Mexico	13 tr 0603	K23AA 23 NE 325		(Window KTCN- 2)
0928	KTVKt 3 AZ		(Beatrice w/KWCH-12)		(W/Nightwatch, KGAN-2?)
0937	KNMZ 2 NM 890	0627	K44AR 44 KS 395		K28AE 28 MN 300
1100	KIII 3 TX 960		(Salina LPTV)		(Fairmont LPTV)
1130	KRGV 5 TX 1160	0755	KLNE 3 NE 320		St. James MN 32,
1140	KENS 5 TX 890	Es 0759	WPBT 2 FL 1175		44,48,52,54 315
1206	KPRC 2 TX 800	tr 0800	KOOD 9 KS 475		1159 CBOT 4 ON 825
1230	XEFB 2 NL 1160	0815	unid channel 75		1833 KTVQ 2 MT 975
1253	XHFI 5 CH 1160		(PTL @ 2700)		1858 KUTV 2 UT 1105
1310	XHAFT 4 NA	0858	K35AL 35 NE 475		2058 KENW 3 NM 820
1400	KACB 3 TX 840		(Lexington KNOP- 2)		KDBC 4 TX 1055
1705	WCBT 2 SC 790	0938	K61## 61 ?? ???		2115 KWGN 2 CO 755
1719	WSAV 3 GA 785		(Unknwn Hit Video USA)		2330 unid ch 2 Mexico
1752	WUFT 5 FL 880	Es 2200	WESH 2 FL 950		19 tr 0140
1757	WTVY 4 AL 705	Es 1058	WESH 2 FL 950		KWHB 47 OK 415
1759	WTVJ 4 FL 1190	1629	WEDU 3 FL 980		K30AL 30 KS 305
1808	WAGA 5 GA 575	1858	WRAL 5 NC 725		(Tripping on and off
	WEDU 3 FL 980		WUNC 4 NC 700		all AM with unid 11!)
1830	WESH 2 FL 950	1920	WUND 2 NC 840		0745 OKC 14,34,43 510
1831	WPTV 5 FL 1125	1945	WCIV 4 SC 790		0817 KOZJ 26 MO 320
1930	WWAY 3 NC 790	1956	WWAY 3 NC 790		Es 1730
1932	WPBT 2 FL 1175	1959	WPMY 2 NC 660		W730 WPBT 2 FL 1175
6 tr 0247	KHTV 39 TX 800	15 tr 0100	OKC 14,34,43 510		1751 WESH 2 FL 950
	KTXH 20 TX 800	16 Es 1100	WPTV 5 FL 1125		1800 WRBL 3 GA 635
	KRIV 26 TX 800	1119	WTVJ 4 FL 1190		1808 WBRZ 2 LA 705
0304	KTAX 21 TX 640		WTVJ 4 FL 1190		1817 WWL 4 LA 735
0400	KLMLG 51 TX 600		WESH 2 FL 950		WTVJ 4 FL 1190
0523	KSLA 12 LA 580		KPRC 2 TX 800		WCBT 4 SC 790
8 Es 1023	WPBT 2 FL 1175	1130	unid channel 2		1829 KMDI 2 TX 890
1029	WESH 2 FL 950	1144	unid channel 2		1929 KIII 3 TX 960
1130	WEDU 3 FL 980		WPBT 2 FL 1175		1959 KGBT 4 TX 1065
1159	WJXT 4 FL 865	1500	KTVQ 2 MT 975		20 Es 1729
1229	WCPX 6 FL 980	17 Es 1329	KIDK 3 ID 1100		KNMZ 2 NM 890
1233	WPTV 5 FL 1125		KOWY 5 WY 950		KENW 3 NM 820
1259	WUFT 5 FL 880		KTVQ 2 MT 975		KNE 5 NM 940
9 Es 0845	unid ch 2 Mexico	1400	KTVQ 2 MT 975		1735 KOB 4 NM 940
0859	KATC 3 LA 725	1425	KXLF 4 MT 1150		1859 KTVQ 2 MT 975
	KPRC 2 TX 800	1656	KPRY 4 SD 565		1929 KVOA 4 AZ 1255
0952	WEAR 3 FL 725	1700	KUSD 2 SD 360		1940 KXLF 4 MT 1150
1037	unid ch 3 Mexico		KYUS 3 MT 860		2020 XEPM 2 CH 1055
1042	XEFB 2 NL 1160	1745	KOTA 3 SD 685		2107 KMDI 2 TX 890
	KIII 3 TX 960	1800	KOUS 4 MT 925		21 tr 0900
1107	XHIT 4 CH 1160	1829	CLII2 2 ON 720		WZDX 54 AL 455
1114	KENS 5 TX 890	1854	WLBZ 2 ME 1125		WITO 21 AL 575
1135	KMOL 4 TX 890	2130	KXMA 2 ND 750		WMMG 42 AL 575
		2158	KMDI 2 TX 890		Es 1630
		2359	KNMZ 2 NM 890		WKTvt 2 NY
		18 tr 0400	K20AD 20 MN 325		1640 WABI 5 ME 1125
			(Worthington KSTP- 5)		1700 WGBH 2 MA 1010
					WCVB 5 MA 1010

Jeff Kadet (continued)

21 Es 1700	WBZ	4 MA 1010	0959	KJAC	4 TX 760	27 tr 2027	WCLQ	61 OH 475	2115	W58AG	58 OH
1730	WFSB	3 CT 975	1029	KGBI	4 TX 1065		(Georgetown WCET-48)		2126	WTSFt	61 KY
23 Es 1659	WPBT	2 FL 1175	1100	WPBT	2 FL 1175	28 Es 2000	CBCP2	2 SA 1105			
2035	WCBT	2 NY 865	1130	KENW	3 NM 820	29 tr 0400	K34AJ	34 SD 380			
2100	WESH	2 FL 950		KACB	3 TX 840		(Sioux Falls LPTV)				
24 tr 0630	+WTCI	45 TN 475	1235	KAMR	4 TX 705	0412	MN xltres/LPTV's,				
	WAFF	48 AL 455	1245	WJXT	4 FL 865		20,28,30,32,44,				
Es 1540	KNMZ	2 NM 890	1252	KRGV	5 TX 1160		48,52,54,56,58,				
	KWGN	2 CO 755	1317	WSAV	3 GA 785		all 300+ miles				
1545	KCNC	4 CO 755	1329	WUPT	5 FL 880	0423	K26## 26 @ 325°				
1659	KENW	3 NM 820		WTVJ	4 FL 1190		(Hit Video USA)				
25 Es 1030	WCIV	4 SC 790		WESH	2 FL 950	30 tr 0130	K22AET 22 MN				
	WCSC	5 SC 790	1736	XEFB	2 NL 1160	0145	KNMT 12 MN 495				
	unid ch5 Spanish		0423	KARD	14 LA 560		Most of same xlt				
1100	WJXT	4 FL 865	0444	K20AD	20 MN 340		& LPTV as ystrdy				
1106	WPTV	5 FL 1125		K32AF	32 MN 320	0335	WDIO 10 MN 450				
1108	WCPX	6 FL 980	Es 1617	XEFB	2 NL 1160	0340	K18AI 18 MN 490				
1116	WCIX	6 FL 1180	1623	KTVK	3 AZ 1265		(Grand Rapids STV)				
1129	WEDU	3 FL 980	1700	KVOA	4 AZ 1250	0500	KBJR 6 WI 445				
1140	unid ch 2 CDT LR		1706	KBTX	3 TX 755	0554	WYMT 57 KY 450				
1152	KIII	3 TX 960		unid ch 5 Mexico		0646	WWSN 47 VA 500				
1200	unid ch 4 Mexico		1730	KRGV	5 TX 1160		(Snow free)				
1245	unid ch 5 Mexico		1731	XEBQ	3 ZA 1370	0720	WETO 39 TN 520				
1309	XEFB	2 NL 1160	1734	KDBC	4 TX 1055		WTVK 26 TN 470				
1334	unid ch 3 Mexico		1744	KGBT	4 TX 1065		Huntsville 31,				
1657	Cuba t 3			KMID	2 TX 890		48, and 54 455				
	unid ch3 Spanish		1929	XEZ	3 GN 1225	Es 1730	CKTV 2 SA 970				
26 Es 0845	Cuba t 5		tr 2014	CKCO42	42 ON 410	1827	CFAC 2 AB 1365				
0900	WEDU	3 FL 980		(Brfly snowfree)		31 Es 1158	KPRC 2 TX 800				

The oddest catch in July would have to be KUSD-2 by E skip at only 360 miles. This shatters my old record of 510 miles.

Tentative XHAF-4 was in for about 20 minutes all by itself, 0 kHz to WHBF. A vocal ID sounded more like XHEF or XHIF, and my tape recorder wasn't running, so it serves me right. If it was XHAF, the distance is 1500 miles.

K61## is another of the new breed of non-ID'ing LPTV stations. I believe this to be K61CU from Norfolk, Nebraska at 370 miles. They were carrying Hit Video USA which plays videos throughout the top of the hour which doesn't seem to encourage ID'ing very much.

K18AI was in for about 30 minutes also giving a K26AC ID, but no sign of them. Frank Merrill was on the phone at the time from Fairbanks complaining about Alaskan overload. WSNB-47 was in with an incredible signal with their CB TP (with also WMSY-52 and WBRA-15 calls); but alas, not a trace of WMSY which is only about 50 miles away.

Unfinished Business Department: Canadian on channel 3 with MCTV network ID last November was CITO-TV-2. Also delete WJTC-44 as a new tropo state. Studios are in Pensacola, but the transmitter is in Alabama.

Question of the month: W39AB, Greeneville, Tennessee was a translator for WKPT-19. WETO-39 is now a fulltime station from Greeneville which originates its own programming. Does one count this as 1 or 2 stations?

I hooked up a 4 set distribution amplifier to the E skip antenna. The amplifier is a Radio Shack model 15-1123. The noise figure is not listed, but it seems to be very low. Besides making ID'ing easier during intense E skip openings, looking at four different E skip channels at the same time can be quite a cosmic experience!

Station total is at 739. UHF stations at 500 of which 98 are LPTV/translators. VHF stations by channel: ch 2 - 47, ch 3 - 56, ch 4 - 45, ch 5 - 39, ch 6 - 33, ch 7 - 12, ch 8 - 13, ch 9 - 20, ch 10 - 16, ch 11 - 14, ch 12 - 17, ch 13 - 20. 73.

(Yes, 360 mile E skip is certainly extraordinary. I don't know if I have ever heard of any that short. Of course, the shortest and longest possible reflections from the E layer of the ionosphere depend on the height of the reflective point in that layer. As I understand it, it is generally believed that the E layer is high enough that the shortest reflective path possible is around 500 miles and our observations as DX'ers certainly suggest that to be true. Who knows? fm)

(Your logging of a KSTP-5 translator on channel 58 is most likely K58AF at Windom as you surmised. That is the only channel 58 relay of that station that my information shows and of course, you were receiving Windom at the time.)

(My personal opinion on counting of WETO is that it is certainly a new station. I don't know, but I believe most DX'ers would agree. Also, if you count stations by transmitter site (per WJTC-44), your CBOT-4 logging should be listed as Quebec. fm)

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CDT

Equipment: 7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (10-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower), and Panasonic 9" b&w portable.

DX continues to be rather good, but I'm plagued with confounded lake inversion making Chicago, Milwaukee, and South Bend stations and others local quality if not stronger.

June 1986			8 tr 0753	CBCLFT	25 ON 410	27 tr 0726	WDKY	56 KY
23 tr 0700	KXLI	41 MN		CHMT	47 ON 410		WKBN	27 OH 420
24 tr 2152	WDRB	41(IN)		CITY	57 ON 410		WYTV	33 OH 420
	Indy U's snwfree		10 Es	AM	No time to watch	0742	KNLC	24 MO 432
25 tr 0604	KLJB	18(IL)	13 tr 0657		KDNL 30 MO 432		KDNL	30 MO 432
	KNLC	24 MO 432			Central IL UHF's		WNEO	45 OH 405
0630	KDNL	30 MO 432			Peoria, Spring.,		WPTT	22 PA 480
0700	KBSit	23 MO			etc.	0756	WPGH	53 PA 480
	WFIE	20 IN 420		Es 1845	unids ch 2- s		(WXGZ-32 off)	
	WEHT	25 IN 420		2110	unid ch 4 west	1152	WGRBt	34 KY
	WEVvt	44 IN	14 Es 1715	WESH	2 FL	2100	WCET	48 OH 400
0725	WVUT	22 IN 405		WEDU	3 FL	2101	WIII	64 OH 400
Es 2000	KPRCt	2 TX		WKRG	5 AL		WIXI	19 OH 400
	KBTxt	3 TX		unids chs 4, 6			WCVN	54 KY 407
2100	WEAR	3 FL	1855	WTVY	4(FL)	Es 2115	unid ch 2+ south	
26 Es 1837	KRTV	3 MT		WUFT	5 FL	28 tr 2150	WCET	48 OH 400
	KFBF	5 MT		2200 t	Charleston 2,4,5		Dayton, Lima U's	
29 tr 0808	CBCLFT	68 ON rare	17 Es 1800	WDIQ	2 AL	29 tr 0809	WFIE	14 IN 420
Es 1145	KCWct	4 WY		WESH	2 FL		WEHT	25 IN 420
	(See Note # 1)		1805	KJRH	2 OK	1823	WGRB	34 KY
	KTWot	2 WY		KOET	3 OK		WTVQ	36 KY 473
				KDFwt	4 TX		WDRB	41 KY 437
			1813	KCNC	4 CO	2118	WLFI	18 IN 275
July 1986				KBTX	3 TX		(See Note # 2)	
3 tr 0738	WCET	48 OH 400		WBRZ	2 LA	2156	WCET	22 TN 587
	Dayton, Lima U's			KATC	3 LA		(Over WSBT-22)	
	WYZZ	43 IL	18 Es 2000	CFRN	3 AB		WKSO	29 KY
5 Es 1745	WESht	2 FL		CBXT	5 AB	2203	WVUT	22 IN 405
	WSAV	3 GA		CITL	4 AB		WGRB	34 KY
1815	WKRG	5 AL	19 tr 0720	WKBN	27 OH 420		WEHT	25 KY
	unid chs 4, 6			Civlnd-Akron U's			(Snow free)	
	WBRzt	2 LA	20 Es 1700	unid ch 2+ south			WFIE	14 KY 420
	WJXTt	4 FL	21 Es 1828	KMID	2 TX	2231	WKZT	23 KY
1824	WTVY	4(FL)	23 tr 2041	KNLC	24 MO 432	30 tr 0639	WCET	48 OH 400
1830	WDIQ	2 AL		KDNL	30 MO 432	0702	WPBO	42 OH 461
	WEAR	3 FL	24 tr 0825	Evnsville U's	420	Es 1739	KTVQ	2 MT
7 tr 2030	WJET	24 PA 405		WKPC	15 KY 437		(See Note # 3)	
	WSEE	35 PA 405		WGRB	34 KY		KYUSt	3 MT
	WQLN	54 PA 405	Es 1215	KUTvt	2 UT		KOUSt	4 MT
	(Both snow free)			KTVX	4 UT	tr 2125	WKPD	29 KY 522
Es 2200	unids chs 2-4			KSL t	5 UT		(Peaked at 2130,	
tr 2226	WPTT	22 PA 480	1225	KCWC	4 WY		gone by 2200)	
8 tr 0615	CBCE	16 ON 293	1231	KTWot	2 WY		WUSI	16 IL 402
	(Little Current)			26 Es	No time to watch-south		WFIEt	14 IN
	(MCTV Network)			tr 2015	WNKJ	51 KY 531	WEHTt	25 IN
0700	WUTV	29 NY 445		27 tr 0726	WKON	52 KY 437	KBSit	23 MO

Note # 1 - 6/29 @ 1145 - tentative KCWC-4 - no breaks of any kind all the time they were in (about 1 1/2 hours).

Note # 2 - 7/29 @ 2118 - WLFI-18 - very strong, picture bending, stronger than WTVY-18 and overriding the latter with no trouble whatsoever.

Note # 3 - 7/30 @ 1739 - KTVQ-2 - identified with antenna pointed south to null out local WBAY-2.

CBCE-16 was pretty snowy when I saw them. I doubt if they are running the power quoted in the VUD a few months ago.

WNKJ-51 was running what appeared to be some kind of satellite programming, but this was interrupted every few minutes with a slide giving call letters, location, etc. The

William Draeb (continued)

signal wasn't very strong and CCI from W51AF was a pain.

On July 27, I changed the driven element on my 7 foot dish from the 8 inch folded dipole to the Delhi feed that's on the newer dishes. I have mixed feelings about it though. The dish works better on the lower channels, the front lobe is much broader and the side and back rejection isn't quite as good as before. I'll leave it like this for awhile though. I mounted the element on a separate boom than the original, because I had to get the spacing right (from the back of the dish to where the terminals to hook on the lead-in are). This way, I didn't have to butcher the original, and I can put it back up there if I want.

That's all for now. 73, Bill

Jeff Kruska, 1900 Stevens Drive, # 224, Richland, WA 99352

PDT

Equipment: Sylvania 12" black and white

July 1985				13 Es 1324	KOAA	5 CO	875	11 Es 2035-2115	unids 2-4		
2 Es 1900	KNMZ	2 NM		1339	KLBV	4 KS	975	15 Es 1930	unid ch 3 CBS		
1930	KOAA	5 CO	875	30 Es 1900	KTVK	3 AZ	915	2000	KGAN	2 IA	1300
2000	KCNC	4 CO	790		KVOA	4 AZ		25 Es 1930	KNOP	2 NE	925
	KWGN	2 CO	790								
	KRMAT	6 CO		August 1985							
4 Es 1830	KNAZ	2 AZ	815	4 Es 1030	KWGN	2 CO	790	July 1986			
8 Es 1745	unid	ch 4	CBS	1235	KVBCT	3 NV		17 Es 1900	KGAN	2 IA	1300
1746	unid	ch 4	PBS	1311	KTVK	3 AZ	915	20 Es 1745	unid	ch 3	NBC
	unid	ch 3	CBS	1930	KWGN	2 CO	790	21 Es 1835	unid	ch 3	ABC
	unid	ch 3	PBS	6 Es 2200	KNAZ	2 AZ	815	1900	unid	ch 2	CBS
	unid	ch 5	NBC	2219	KTVK	3 AZ	915	1930	KNAZ	2 AZ	815
1800	KTCB	2 MN	1175	2306	KCBST	2 CA		28 Es 1830	unid	chs 2-4	
	WCCO	4 MN	1170					1900	unid	ch 2	PBS
2000	KPLO	6 SD	920	June 1986				1910	unid	ch 3	ABC
	KDLT	5 SD	980	11 Es 1100	unid	ch 3	French	31 Es 1900	unid	chs 2, 3	
2025	KMTV	3 NE	1130	1102	CKND2	2 MB	870	August 1986			
13 Es 1230	KENW	3 NM	1115	1200	KNOP	2 NE	925	1 Es 2010	KMID	2 TX	1280
	KTXL	5 TX	1200								

This is my first report to the VUD, having just joined as a member. I am a 22 year old process engineer, and began DX'ing TV in the summer of 1980 in Elyria, Ohio. I moved out here last summer, and have found the E skip to be not as plentiful as when I was in Ohio, and the tropo practically non-existent. But then again, I'm DX'ing without an outdoor antenna. I began trying to videotape my E skip this summer with little success when the DX is not strong.

Prior to DX'ing the TV, I was a shortwave and medium wave DX'er, but now am almost exclusively TV DX'ing (and FM when it gets up there!). Hope to hear from any of you DX'ers in my area. With luck, maybe one of these summers I'll pick up E skip from Alaska! (Welcome to the column, Jeff. Maybe the lack of E skip is not due to Washington versus Ohio, but due to 1986 versus 1980. Someday it will return! fm)

William Eckberg, 1032 Sterling Road, Dixon, IL 61021

CDT

Equipment: 1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

July 1986														
11 Es	2235	WBRZ	2 LA	784	16 Es	1100	WESH	2 FL	983	24 Es	1400	KNOP	2 NE	575
12 Es	1100	KNMZ	2 NM	972	17 Es	0930	KPRC	2 TX	890		1410	KWGN	2 CO	811
	1230	KPRC	2 TX	890	18 tr	0450	KSNF	16 MO	413		1710	KUTV	2 UT	1139
	1955	KJAC	4 TX	856		0500	KTBO	14 OK	612	25 Es	1100	WEDU	3 FL	1031
13 tr	0900	KNLJ	25 MO	261		Es 2025	KTVQ	2 MT	968			WPBT	2 FL	1229
14 Es	1100	WPBT	2 FL	1229	19 tr	0457	KSNF	16 MO	413			WESH	2 FL	983
	1815	WPMY	2 NC	641		0500	KTBO	14 OK	612		1145	XEFB	2 NL	1282
	1825	WESH	2 FL	983		Es 1758	WPBT	2 FL	1229	26 Es	0930	WPBT	2 FL	1229
	1830	WSAV	3 GA	803		1800	WBRZ	2 LA	784		1000	KIII	3 TX	1072
	1840	WCBD	2 SC	797		1900	KPRC	2 TX	890		1100	WESH	2 FL	983
	1855	WCIV	4 SC	797		2210	XEPB	2 CH	1162		1130	KMID	2 TX	967
	1900	WRAL	5 NC	704	20 tr	0448	KSNF	16 MO	413		1230	KENW	3 NM	912
		WBTB	3 NC	638	24 Es	1305	KTVQ	2 MT	968		1400	KRGV	5 TX	1189
16 tr	0515	WPOB	15 MO	343		1320	KRTV	3 MT	1112		1500	KENS	5 TX	992
Es	1030	WPBT	2 FL	1229		1330	KFBF	5 MT	1112	27 tr	0450	KSNF	16 MO	413

Michael Parks, Route 1, Box 103, Amery, WI 54001

CDT

Equipment: Channel Master 1110 Quantum with Channel Master 0064C preamplifier and RG-11U at 28', Antennacraft P-7 with Winegard PA-4975 preamplifier and RG-11U at 33', Alliance HD-73 rotor, Winegard DA-8150 post-amplifier, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

June 1986				8 tr 0036	St. James MN xlt	29 tr 2247	K63BW 63 MN 183
13 Es 1110	CFAC	2 AB	1072	0044	KTIV 4 IA 287	(Donnelly	KSTP- 5)
15 Es 1612-1752	unids chs2-5				(Under WCOO-4)		K59BT 59 MN 183
1752	unid ch 3	French		0107	K22AE 22 MN 131	(Donnelly	KMSP- 9)
1756	WCAX	3 VT	934		K20AD 20 MN 204	2248	K42AO 42 MN 153
	(New State # 30)				(Worthington KSTP- 5)	(Alexandria	KWCM-10)
1826	CFRN	3 AB	1101	14 Es 1831	WCBD 2 SC 1094	2249	K40AA 40 MN 153
1828	CHAT	6 AB	913		WSAV 3 GA 1099	(Alexandria	KTHI-11)
	CBXT	5 AB	1101		WCIV 4 SC 1094	2250	K38AC 38 MN 153
	CFAC	2 AB	1072		WCSCt 5 SC	(Alexandria	KMSP- 9)
1830	CFONT	4 AB		1837	WJXT 4 FL 1191		K36AA 36 MN 153
1906	CKBIT	5 SA		1838	WDSU 6 LA 1076	(Alexandria	WDAY- 6)
	CITLT	4 AB		1844	WBRZ 2 LA 1036		K34AF 34 MN 153
1907	KHQ	6 WA	1201	1845	WML 4 LA 1076	(Alexandria	LPTV)
	(Logo - "Q6")			1846	KATC 3 LA 1050	2254	K57BL 57 MN 183
1920	KRTV	3 MT	916		unid ch 2 NBC	(Donnelly	KTHI-11)
1922	unid ch 5	CBS		15 tr 0029	WMEG 14 IA 287	2257	WDAY 6 ND Rare
1936	KIDKT	3 ID		0033	KBGT 8 NE 383	2258	WDAY 8 ND 363
2007	KREMT	2 WA		16 tr 1033	WICS 20 IL 410	2259	KFME 13 ND Rare
16 Es 1101	WESH	2 FL	1277		WRSP 55 IL 410		(The Best Ever!)
17 tr 0037	KLJB	18(IL)	297	1036	WTJR 16 IL 380	2306	K20AC 20 MN 155
23 tr 0108	K22AE	22 MN	131	1038	WEEK 25 IL 353		(Wadena KSTP- 5)
	(New Uln LPTV)				unid channel 18	2307	K26AC 26 MN 188
0109	K28AE	28 MN	162		KIIN 12 IA 261		(Bemidji STV)
	(Fairmont LPTV)			1049	WYZZ 43 IL 379	2333	KSNT 27 KS 472
	(Both w/stock reports)			1053	WMTV 10 WI 272		KLDH 49 KS
0115	K22AC	22 MN	113		unid ch 16 PBS?		KPTM 42 NE 359
	(Brainerd KSTP- 5)			Es 1121	WESH 2 FL 1277	2336	KHIN 36 IA 337
24 tr 2304	WMSN	47 WI	216	17 Es 1258	KENW 3 NM 981	2347	KNLC 24 MO 480
2330	WICS	20 IL	410	21 Es 1840-1844	unids chs2,3		(Burying KYIN)
2331	WRSP	55 IL	410	22 tr 0056	WIRT 13 MN 142	2349	KLJB 18(IL) 297
2336	KNLJ	25 MO	473	Es 1822	KUTV 2 UT 1038	30 tr 0001	K38AB 38 IA 332
25 tr 0006	KMTZ	17 MO	446	Es 1259	KIDK 3 ID 982		(Fort Madison KIIN-12)
0010	KDSM	17 IA	272		unid channel 4z	0007	KMIZ 17 MO 446
0034	WHO	13 IA	272	25 Es 1047	WESH 2 FL 1277	0018	WICD 15 IL 419
0042	KNLC	24 MO	480		1048	WJXT 4 FL	WICS 20 IL 410
0043	Milwaukee	18, 24		1059	WEDU 3 FL 1322	0019	KZKC 62 MO 453
0044	KLJB	18(IL)	297	27 tr 0122	KSNT 27 KS 472		KSHB 41 MO 453
0046	WEEK	25 IL			KZKC 62 MO 453	0020	WEEK 25 IL 353
0050	KDNL	30 MO	480	0123	Des Moines 8, 13, 17		WHOI 19 IL 353
Es 2259	WESH	2 FL	1277		(All near snow free)	0021	KSNF 16 MO 586
29 Es 0136	CFAC	2 AB	1072		WIBW 13 KS	0043	WMBD 31 IL 353
	0156-0200	unids chs2,3			(20 kHz-WHO -13)	0047	WAND 17 IL 420
1103	KBCI	2 ID	1182	0124	KPTM 42 NE 359	0048	KDSM 17 IA 272
1113	KUTV	2 UT			WFLD 32 IL 337		(3/4 CB w/audio
1127	unid channel	3		29 tr 0135	WBBS 60 IL 337		from unknown
					WCIU 26 IL 337		program)
July 1986				1259	Sioux City 14,27	0050	KDEB 27 MO 568
3 Es 1106	WJXT	4 FL	1191	1751	Des Moines 5, 8, 11, 13, 17		KSPR 33 MO 568
	WESH	2 FL	1277		(5 and 11 rare)	0100	KGAN 2 IA 239
1108	unid ch 3	NBC			2224	0108	WTCT 27 IL 558
5 tr 2143	KBGT	8 NE	383		2227	0142	St. Louis 4,5,11
2146	KSIN	27 IA	287		2237		(All tent. Offsets all
7 tr 2301	K25AA	25 IA	239		2245		match beats against
	(Rock Rapids KSIN-27)				2247		locals. Bearing 165°)
2311	Sioux City	14,27			2247	0210	WQAD 8 IL 283
2315	KBGT	8 NE	383		2247	0221	KCRG 9 IA 239
8 tr 0010	KPTM	42 NE	359				(Under KMSP-9 w/
							Dr. Gene Scott)

I was gone for a week in the beginning of June and didn't think I had missed too much. I got the August issue of VUD on July 29th (a week early) and found out I'd missed a great E skip opening on June 11th. Then I felt like the guy on the cover! But a great

Michael Parks (continued)

tropo opening that night (the best so far this year) more than made up for it. I kept the rotor very busy. I can't recall ever having tropo from so many directions at once. KRIN-32 was making a royal nuisance of itself by bleeding all over the place, but there was no sign of K65BY. I saw them twice last October, and KRIN was nowhere near as strong.

Both K62AU and K42AO in Alexandria, Minnesota are translating KWCM-10. I was unable to find K62AU previously and had assumed they went dark, but apparently not. K3HAF was unscrambled with a black screen and a gibberish scroll across the bottom. I'm not sure if the characters were random or some sort of data, but some of the characters were flashing.

WTJR-16 and KNLJ-25 are very easy to identify. WTJR had "WTJR QUINCY" superimposed on the screen almost the entire time they were in. KNLJ puts their calls and a prayer line phone number on the screen every ten minutes or so.

I find it hard to believe WCFN-49 is running 1000 kW or else their 315' AAT is a severe hindrance to their signal. I've had WICS-20 and WRSP-55 in near snow free several times, and I can't find any trace of WCFN.

Hope tropo improve soon. The number of openings this year is severely deficient. Until next time... 73, Mike

Eric Bueneman, 836 Lamplight Lane, Hazelwood, MO 63042-3407

CDT

Equipment: Samsung 19" color TV, Panasonic 12" black & white TV, el cheapo rabbit ears, UHF bow-tie, Archer VU-110, Winegard UHF antenna with Archer inline amplifier for UHF at 540 feet ASL. * Audio logging on FM tuner

May 1986	11 Es 1451	Cuba 3 1520	July 1986
17 Es 1725 *WLNE 6 MA 1045		(World Cup in SS	24 tr 1620 WICS 20 MO 80
1730 WGBH 2 MA		in/out w/WEDU)	WRSP 55 MO 80
(Under KTVI-2)	2E 1501	CBC 3 2800	Es 1630 KIDK 3 ID 1220
1752 CJBRT 3 PQ		Barbados (World	1634 *KPVI 6 ID
(FF o/ WFSB-3)		Cup in English	tr 1710 KHQA 7 MO 90
19 tr 1235 WCIA 3 IL 150		o/u WEDU)	WGEM 10 IL 110
(1st since 1980)	Es 1600	WEAR 3 FL 600	1815 WQAD 8 IL 190
	1728	CBWF 3 MB 835	26 Es 1430 WEDU 3 FL 875
	1752	KDLH 3 MN 565	tr 2057 WHMB 40 IN 240
		(In/out w/CBWF)	2055 Springfield IL
June 1986		KTVQ 2 MT 1040	20, 49, 55 80
6 Es 2100 KFDX 3 TX 555		(Under KTVI-2)	2058 Springfield MO
(Shortest TV Es)		KXLF 4 MT 1235	21, 27, 33 190
2E		(Under KMOK-4)	2103 WFIE 14 IN 165
2156 KIDK 3 ID 1220		KYTV 3 MO 190	WEVV 44 IN 165
KIEM 3 CA	18 tr 1428	(Over WSIL-3)	2105 WAND 17 IL 110
(Under KIDK-3)		KZKC 62 MO 225	WFHL 23 IL 110
10 Es 2055 KYW 3 PA 830		KYFC 50 MO 225	
2058 KIII 3 TX 855	19 tr 0005		
2200 XET 6 NL 1115	0006		

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

July 1986	18 tr 1300	KRIN 32 IA 395	28 Es 2130	KREM 2 WA 960
12 Es 1045 unid ch 2 NBC	Es 2129	KMID 2 TX 1060	29 tr 2036	KXNE 19 NE 320
1128 KIII 3 TX 1330	19 tr 0928	K32AF 32 MN 220		KHNE 29 NE 425
1212 KACBT 3 TX	(St. James	KSTP-5)	2037	KPTM 42 NE 400
13 Es 1752 WSB t 2 GA	Also 42, 44, 46, 48		2038	KYNE 26 NE 390
1858 unid ch 2 ABC	20 Es 1700	WBRZ 2 LA 1185	2043	KLDH 49 KS
2058 unid ch 2 ABC	1729	KPRC 2 TX 1195	2046	KETV 7 NE 385
15 tr 2022 KTSD 10 SD 240	(MUF 107.9 @ 1732- TX)		2215	WQOW 18 WI 280
17 Es 1959 WAGA 5 GA 1115	21 Es 2252	KJRH 2 OK 750	2217	WHWC 28 WI 270
(MUF 89.3 @ 2000- GA)	25 Es 0958	WWAY 3 NC 1315		WHLA 31 WI 340
2156 WUFT 5 FL 1415	1000	WCBF 2 SC 1310		WEEK 25 IL
2218 WBRZ 2 LA 1185	tr 2105	KDSM 17 IA 385	2308	KLJB 18(IL)
2223 KALB 5 LA 1115	2125	KDEB 27 MO 695	2316	KDSM 17 IA 385
2231 KATC 3 LA 1185	2158	KRIN 32 IA 395		K25AA 25 IA 245
18 tr 0100 KMOT 10 ND 230	2347	KYIN 24 IA 310		(Rock Rapids KSIN-27)
0101 KQCD 7 ND 290		KSIN 27 IA 300		
0958 KISE 9 ND 290		KHIN 36 IA 390		
1032 K20AM 20 ND 180	28 Es 2029	KREM 2 WA 960		
(Rolleto LPTV/TBN)	2031	KRTV 3 MT 680		
1155 KDSM 17 IA 385	(MUF 89.1 @ 2047- MT)			
1157 KLJB 18(IL)	2107	KLEW 3(WA) 960		

August 1986

5 Es 2017	unid channel 5
(MUF 103.7 @ 2020- TX)	
2200	WCBF 2 SC 1310
2228	WSJK 2 TN 1005

ANARCON '86 - Part One

This year's ANARC Convention was a success! It was held at the Place Dupuis Holiday Inn in Montreal, Canada. The Convention attracted about 380 DX'ers, radio listeners, and broadcasters from the U.S.A., Canada, and the rest of the world. This was the largest ANARC Convention in the group's history.

The convention was hosted by Ian MacFarland of Radio Canada International. He must be congratulated for putting on a great convention. Everything went well, even though Ian was often found running around frantically trying to make things take place as scheduled.

My trip to the convention started a few days before. On Monday, I received a phone call from Bill Thompson. He told me that he was sending out leaflets on WTFDA that were to be handed out at the convention. Bill said they were going out Express Mail and I should get it by Wednesday. I arrived home on Wednesday, and in my mail box was a note telling me to pick up the package at the Post Office. Since it was after 5pm, I had to go to the Post Office on Thursday before we began our drive north. So, at 10am on Thursday, I walked into the Hicksville Post Office. First the clerk could not find the package. Then the supervisor came out and said that the package was given to our carrier to be delivered. We couldn't wait until 2pm, so after thinking of a few choice words to say to this supervisor (I am glad I did not utter them or I'd probably never get our mail!), we left and began our drive to Montreal. We decided to make this a vacation, so we drove only as far as Glen Falls, NY.

On Friday, we drove the rest of the way to Montreal. I had an ANARC Executive Council Meeting at 1pm. Unfortunately, the trip up took a little longer than I had calculated and I arrived 15 minutes late. Luckily, only the resolutions were voted on. Several other subjects were discussed at this meeting. The 1988 Convention will either be in Tampa, Fla or in the Los Angeles area. This will be voted on in October. ANARC wants to find a place to preserve radio related memorabilia (old receivers, QSL's, penants, etc.,) Bob Horvitz, ANARC's Government Liaison, and the main person working on the Electronic privacy Act presented an update on the status of the bill. It is now in the Senate. It has passed by the House of Representatives. The way the latest version has been written, the shortwave bands are safe, but the brunt of the bill will be felt on the VHF and UHF frequencies. The reception of SCA will be illegal if this bill is passed. If you oppose this bill, time is growing short, so don't delay writing to your representatives. Finally, ANARC's Executive Secretary Terry Colgan will be leaving that post at the end of his term at the end of the year. Unfortunately, the search for a successor has gone poorly and the Executive Council may end up running ANARC.

The meeting ended at 3pm and I was given a chance to properly register. I went to see the displays set up by the clubs, manufacturers, and international broadcasters. The Voice of America gave away back editions of its program guide "Voice". Radio Canada International gave away stickers and QSL cards. West Germany's Deutsch Welle had key chains and pens. Radio France Internationale, HCB, the BBC, the Voice of Free China, Radio Earth and Radio Discovery had tables with plenty of free goodies. I met Gene Reich of the VOA. He told me that the program I did on TV and FM DX'ing in March was very popular and he promised to send me a tape of it. I will not hold my breath. Several clubs had tables. WTFDA member Alain Pepin was at the CIDX table. The box of VUD's I brought found a home at the MARE table where MARE founder Don Hosmer and I talked about DX'peditions.

The evening dinner break gave Joyce and myself a chance to do a little sightseeing. We went to the old part of Montreal. We walked around and look-in all the tourist shops. It is a very nice section of the city that I did not explore while I was in Montreal during college 7 years ago (it seems like a lifetime ago.) Among all the expensive French restaurants, we found an inexpensive spaghetti place. It was very hot that weekend and everyone, including the men were wearing shorts. Montreal is a great city for people watching. We saw some of the strangest clothes!

Friday evening was topped off by two events, The Annual Wine and Cheese and a live broadcast of Radio Earth. The Wine & Cheese is great for meeting and talking to the other attendees. I was able to speak with the guest of honor Arthur Cushen. He hails from New Zealand and is famous in the Short-wave and AM DX field. He is a monitor for several international stations and he is a regular contributor to Radio Netherlands "Media Network". We talked for a few minutes about the TV and FM situation in New Zealand. Arth-

TELEVISION NEWS

FL Live Oak; ch. 57; H. James Sharp; Frank A. Baker; Cardwell-Bussey Partnership.
VA Charlottesville; ch. 64; Central Virginia Educational Television Corporation; Shenandoah Valley Educational Television Corporation.

FORUM

Several comments to make before I get on with the mail. Firstly this column is being typed on Tom Yingling's old typewriter, which he used to use for his column. Mine is still not working properly.

Secondly, you will notice that I have the CONSOLIDATED HEARINGS heading back. After a few months absence in the Federal Register, the FCC is once again reporting them. But both hearings and changes in channel assignments have been reduced to a bare minimum. The reader is referred to FCC documents in Washington D.C. for background information.

Thirdly, this month's column will not contain the usual information because of the summer schedule at the college's library. Next month will contain two months worth of data.

Fourthly, I talked with Bill Thompson at the WTFDA convention last month. It seemed a good idea, instead of waiting for a set of maps for television stations, to print a list of North American television stations without them. In other words, publish a two-volume set of lists: a map volume and a data volume. I should have a complete North American data list to WTFDA HQ in time for it to be published and on sale by the next DX season (March, 1987). Although the list of United States stations will be complete and accurate, I did caution Bill and others at the Sunday meeting: The Canada list will be up to date, thanks mainly to cooperation by the CBC and Walter Parton, but will be full of mistakes, as various sources are inconsistent. Unless some of the Canadian members are willing to check the Canadian list, which I can make available to them, there is no way for me to resolve the discrepancies. Mexican, Central American and Caribbean station lists will be mostly a rehash of information already in print along with what additional information I am able to obtain. Here again, if members can send me whatever information they can, this would improve the list.

On the subject of the map volume: I had suggested to Bill Thompson the idea of using state maps, as does the FM Atlas, for all channels, but using USA/Canada and Caribbean maps for channels 2-30. There are few enough stations on each channel above 30 to render the maps unnecessary. The 1980 Guide grouped several channels to a map, making the coastal areas cluttered while the middle of the United States was empty. Bill Thompson suggested limiting the small scale maps to the E-skip channels, 2-6. I would

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS
WY Casper: add 13+ (Site restriction 29.7 miles north of Casper); delete 9+ (previous assignment, rescinded by FCC).
WY Sheridan: add 9+

CONSOLIDATED HEARINGS

VA Blacksburg; ch. 65; Cascade Television Ltd.; New River Communications Inc.; Southwest Virginia Television.
VA Charlottesville; ch. 41; Central Virginia Educational Television Corporation; Shenandoah Valley Educational Television Corporation.
CA Avalon; ch. 54; Coastal Broadcasting Partners; Parker TV Broadcasting Inc.; Catalina 54 Broadcasting Ltd.; Avalon Catalina Broadcasters; Es Possible Minority Media Telecommunications Inc.; Christine E. Shaw; Golden Shores Broadcasting; Patrick D. Sisernos d/b/a Catalina Broadcasters; Catalina Television Partners; Island Broadcasting Ltd Partnership; Avalon Broadcasting; David H. Wagner d/b/a DHW Communications.
CO Denver; ch. 50; Cali Communications Inc.; Urban Minority Broadcasting Institute, Inc.; Stanly Group Broadcasting Inc.; David H. Wagner d/b/a Denver Communications; Continental Divide Television Ltd.; Amador Broadcasting Ltd.; Lomas De Oro Broadcasting Corporation; Spanish International Communications Corporation. You can just about count SICC out of this one.
CO Denver; ch. 59; Don Thomas Moore; Rochon Dibble d/b/a Sky High Telecommunications Co. Ltd.; High Seas Communications Corporation; Brassell and Romero; George S. Flint Jr. and Jimmy C. Cowser d/b/a Mountain States Telecasters.
TN Knoxville; ch. 15; East Tennessee Public Communications Corporation; Knoxville Community Broadcasting Inc.; Lincoln Memorial University.
NJ West Milford; ch. 66; New Jersey Public Broadcasting Authority; New Jersey Hispanic Educational Television Corporation Inc.; Family Stations of New Jersey.
MT Billings; ch. 6; Mark L. Wodlinger; Yellowstone Valley Community Television Inc.; BRC Associates; Eagle Communications Inc.; Richard J. Fox, d/b/a Comanche Enterprises; Southwest Montana Broadcasting Inc.
KS Salina; ch. 24; Channel 24 Ltd.; Christopher Gault.
NC Morehead City; ch. 8; Local Television Associates, Inc.; Morehead City TV Ltd.; Elyse G. Wander d/b/a Wander Broadcasting of Morehead City; James E. and Rachel J. McManus; Crystal Coast Communications Ltd Partnership; Dr. James E. Carson; Pine Cone Communications Ltd. Partnership.

er said that TV and FM DX'ing were popular in NZ and that where he is in Invercargill there are no FM stations at present but the government is planning to put a station on the air. I met Jonathan Marks, the Host of Radio Netherlands "Media Network". I took a picture of him and he took a picture of me taking a picture of him. Bob Cadman of Radio Canada and I spoke for a few minutes about accents. From Bob, I found out the Montreal's mayor Jean Drapeau was no longer running. Mr. Drapeau was mayor for about 20 years (and it was beginning to seem as if he had been mayor forever. I said that he greeted Champlain when he got off the boat and founded Montreal). Drapeau is famous for the Olympic Stadium, Expo '67 and the Subway. Radio Earth's Duke Alexander relayed his feelings on American Commercial radio and why he felt Shortwave was better. And at the Wine and Cheese, I met WTFDA members Sol Chernoff and his friend Doug (whos last name I can't remember). Sol told me about his job at the local Harris Ont. newspaper. He said he was giving up the editorship of the FM DX column because of this. He said he planned to write an article on the convention and on the DX'ing hobby. Doug became interested in the equipment they were setting up for the Radio Earth broadcast and he ended up helping them out with the broadcast.

The broadcast began at 11pm. The show is broadcast nightly (except Sun) over WHRI, a Shortwave station located in Noblesville, Indiana. It was a delight to watch the program being done. The program began with an Audio-Visual presentation of a man's trip to Tahiti to view and photograph Halley's Comet. Try to imagine listening to this over the radio. This was followed by a tounge and cheek review of the days events at the convention. They commented on the language problem in Montreal, everyone speaks French and they assume you speak French. Their comment was, "All French Speaking Canadians also speak English, and all English Speaking Canadians learn to grunt. The broadcast ended with a mini International Broadcasters Forum. With the end of the broadcast, it was the end of day one of the convention. I went up to our room and promptly fell asleep.

Next time, I'll have day two and day three of ANARCON '86, which included the banquet, several more radio broadcasts, the international broadcasters forum, and the trip home.

Congratulations must go out to Dr. Bruce Elving and Glenn Hauser who won awards from ANARC in recognition for their work in the hobby.

One trend being seen in some clubs is the formation of local capters as a way for DX'ers to meet each other, without having the need to go through the formalities of forming a separate club. Is there any interest in this among WTFDA members in the New York area or in other areas of the country? Please let me know. I am always interested in hearing your thoughts.

Well that's it for another month.

73's to everyone and 88's to my love,
my wife Joyce,

Steven P. Sprachman

STEVEN P. SPRACHMAN
15 Berry Lane
Hicksville, N.Y. 11801-6205



be interested in hearing the club's opinion on this subject. But remember, the extra maps for 24 stations will jack up the price of the map volume.

There's been lots of happenings on the Spanish International scene, as revealed by several articles on the subject, sent in by W.R. McIntosh. Starting with the 6/24/86 Los Angeles Times, a report that the FCC dropped its challenge to the SICC licenses after SICC agreed to put up the five television stations for sale. This would resolve the foreign-control issue as well as the internal dispute among SICC's stockholders. Bids for the stations would be due June 30, and SICC would have until August 19 to select a bidder and ask the FCC for approval of the sale. The 7/14 Times reported that the number of bids and the persons bidding were kept secret but one group reported that their bid had been rejected by SINN. That group announced that it would challenge the station's license if the ultimate buyer of the stations did not make a long-term commitment to Spanish programming. They objected to the fact that SICC is requiring of potential buyers of the stations only a two-year commitment to Spanish programming. It was also reported that one other bid had been rejected, and a third bidder withdrew his bid. The 7/22 Times reports that SICC agreed to sell the stations to Hallmark Cards and First Capital Corporation for \$301.5 million. "Monday's agreement immediately drew criticism from two unsuccessful groups of Latino bidders who contend that the stations should be owned by Latinos who would ensure the future of Spanish-language broadcasting." "As a condition of the sale to Hallmark and First Capital, the FCC said that Spanish International could require no more than a two-year commitment to Spanish-language broadcasting...." "Hallmark Chief Executive Irvine O. Hockaday has indicated 'that he is going to maintain the level of commitment [to the Latino community] that we have maintained...and indeed increase it, because we have a stronger financial base.'" "But Latino investors whose bids for the stations were rejected expressed doubt that the new owners would continue Spanish-language programming beyond the two-year requirement." From the 7/23 Times, "Rep. Matthew G. Martinez (D-Monterey Park) said Tuesday that he intends to introduce a bill today to block the sale of KMEX-TV and four other major Spanish-language television stations to Hallmark Cards and First Capital Corp. of Chicago." "The \$301.5-million transaction also includes five low-power television stations." "Martinez said his proposed legislation would force the FCC to implement its 'minority distress sale policy.' Under that policy, a licensee who is about to go through a revocation hearing—which could lead to the loss of the license—can elect to sell the television license to a minority group at 75% of its fair market value rather than go through the hearing. The proposed bill states that its purpose is to authorize the FCC to permit the transfer of the stations' licenses 'only as such transfer or assignment is to a qualified

minority entity,' Martinez said." "But Ronald L. Fein, a lawyer selected by SICC shareholders to oversee the sale, said he understands that while the licensee can elect to sell under the minority distress sale policy, the FCC cannot force a license sale or tell a licensee what buyer to pick. SICC did not choose the distress sale option, and the settlement agreement with the FCC calls for a full-value sale, he said." The 8/2 Times reports, "Latino groups appealed to the Federal Communications Commission to block the sale of five Spanish-language television stations...to a syndicate headed by Hallmark Cards Corp. The Los Angeles coalition of Latino groups said the Kansas City, Mo., greeting card company, which formed a partnership with First Capital...has no experience in serving the Latino community." "Coalition members endorsed a bill introduced by...Martinez...that would block the sale of the television stations to non-Latino owners." (Let's not mention the fact that the SICC stations are owned by an Italian-American.) "Martinez said the sale would deprive Latinos of owning stations that broadcast programs to more than half of the nation's Spanish-speaking people in their native tongue, a contention supported by the Latino coalition." (Assuming they are American citizens, wouldn't that make English their native tongue?) "Gil Sanchez of the Mexican American Grocers Assn. said that until recently Hallmark did not produce Spanish-language greeting cards, and he charged that the corporation has repeatedly failed to address requests for Latino salesmen." More to come on that, I'm sure. Mc also sent articles on other subjects, some of them involving PBS stations. From the 7/8 Times, a report that Richard Brookhiser, who is a senior editor of the conservative National Review as well as a board member of the Corporation for Public Broadcasting, has been pushing the Reagan administration to spend \$180,000 of public money to investigate a liberal bias of public TV, but liberals object that the purpose of such a study would be to force public TV into serving right-wing political goals. (I wonder if William Buckley thinks there is a liberal bias in PBS programming.)

According to the 7/3 Times, "The drop in world oil prices has cut into state revenues in Alaska, Texas, Oklahoma and Louisiana, and many public TV stations will be living with tighter budgets in the new fiscal year which began Tuesday. Farm problems have hurt stations in Idaho, Iowa, Nebraska and Kansas." "Exxon will phase out its support for 'Great Performances.'" On the bright side of things, the 6/27 Times reported that KCET in Los Angeles (ch. 28) managed to pay off the last of its long-term debts four months in advance. Four years ago the station was on the verge of bankruptcy.

The same issue reported that CBS will be cutting 700 jobs in order to reduce costs and enhance productivity. The news division will lose about 90 jobs. Mc comments, "The quality and continuity on CBS-2 newscasts

are definitely showing the effects of the layoffs."

From the 7/9 Los Angeles Times, Times Mirror Company said that it will sell two television stations which it would acquire in its acquisition of the Baltimore Sun. WMAR-2 in Baltimore and WRLH-35 in Richmond, VA, will be sold to Gillett Group of Nashville, TN, for more than \$200 million.

Lastly, the 7/17 Times reported that the FCC fined KSCI-TV, ch. 18 in San Bernardino, \$10,000 for failing to identify the South Korean government as the true sponsor of Korean language programming on the station.

Frank Aden sent an article from the 7/15 Idaho Statesman about two new LPTVs in the Magic Valley-Twin Falls area in Idaho. "Since 1955, the only Magic Valley television station has been KMYT, Channel 11. Suddenly, KMYT has company. Two low-power UHF...stations are beginning broadcasts—K38AZ...and K49AZ.... On July 1, Boise television station KTVB, Channel 7, signed on with Channel 38, the nation's first low power network affiliate. And Channel 49 will go on the air at 6:30 a.m. today, if transmitter problems can be corrected. KTVB and Channel 38 are affiliated with NBC and are owned by King Broadcasting Co., Seattle. Channel 49 is an independent station owned by Magic Valley Television, Inc." Actually, Channel 49 is only a setting on a television dial on which K49AZ, an independent station owned by Magic Valley Television Inc., can be seen and heard. But what do newspaper reporters know about that? And I have never known television networks to affiliate themselves with settings on the television dial, except for ABC, with its fetish for channel 7. But the idea of an LPTV affiliate raises a recent topic in this column. But in what sense can K38AZ be considered an NBC affiliate? Presently, it is a primary-station-owned repeater of an NBC affiliate, in the same sense than hundreds of other stations are. Does King Broadcasting have separate contracts with NBC for those two stations? Nampa station KIVI and Pocatello station KPVI both have had translator (sic) stations in Twin Falls for more than a year, but are not licensed to Twin Falls by the Federal Communications Commission. The stations only rebroadcast what is seen in the Treasure Valley and Pocatello. However, Channel 38 is licensed to the Twin Falls area, and its transmitter is in Jerome. Transmissions cover a 20- to 30-mile radius.... The station now just rebroadcasts KTVB, but...eventually could establish studios, install a full-time staff and broadcast programs and news that would be independent of channel 7. A local newscast still is at least a year or two away.... "For now, the Channel 7 signal is relayed via microwave to the Jerome transmitter.... Channel 38 broadcasts with 8,150 watts' effective radiated power." Frank comments, "According to the information I got on K49AZ the owners are American Community Broadcasting instead of Magic Valley Television. I am also curious about the comment that K38AZ is the nation's 'first network LPTV'. I seem to remember reading about a station in the east that has sev-

eral LPTV's on the air.

From George Mileon: an article from the 8/5/86 Boston Globe, reporting that WJTV, ch. 66 in Marlborough, MA, is being sold. "Home Shopping Network...will acquire Framingham-based WJTV-TV...and two UHF New York-area stations in a first step toward building a new national broadcast network. 'We plan to be the fifth national network. In fact, we're kind of sorry...Murdock announced his fourth network as early as he did,' said Lowell W. Paxson, president of the Clearwater-based HSN. He said that his company wants to acquire 14 stations—the maximum allowed by the Federal Communications Commission—in the top 20 markets around the country." "Pending FCC approval of the sale, WJTV will be the fourth of five local, independently-owned television stations to be sold in the last eight months." Is the newspaper article suggesting that the Boston network affiliates are not independently owned? "The programming will be a mix of the usual HSN offering—something like a Sears, Roebuck catalogue on the air with viewers able to phone in their orders..." They must have gotten the idea from watching PBS pledge drives. "...and local programs, Paxson said. The rock-video format will be discontinued." "The other two stations it bid on are WWHT in Newark, and WSNL in Smithtown, N.Y."

And from the 7/17 Globe, a report that WGBH-TV in Boston may be revising or withdrawing its bid to purchase WSBE-TV, ch. 36 in Providence, RI, because that state's Telecommunications Authority decided to retain control of its license despite its drastic budget cut.

Some humorous articles from Paul Gaines. From the 7/14/86 Detroit Free Press: "Fresno Calif. TV Sportscaster Mike Bryant was fired last week after he went a bit flippo. It seems that Bryant, 28, aimed an unloaded rifle at the camera during a live commentary last Tuesday night and invited viewers to join him in proclaiming 'an open season on crime.' Two video stores Bryant owns had been robbed that very day. 'There's a line you don't step over and he stepped over it,' said KMPH-TV news director Bill Rice. Bryant said he was just trying to be entertaining and that the robberies at his stores had nothing to do with his commentary." The 6/5 Detroit Free Press reports on the dark side of owning a VCR. Two new syndromes have arisen. Video Guilt, a pathological shame about watching television, has been joined by Video Retention and Duty Taping. Video Retention is the satisfaction in accumulating mounds of unwatched videotapes. Duty tapers watch television for pleasure, but record all the cultural and classic programs they feel they should be watching instead. "The tapes are never watched, however, and erasing them causes great guilt and agony."

Patrick Durkin, Jr. sent a copy of the 7/21 St. Paul Pioneer Press & Dispatch article dealing with format changes on KTMA-TV, ch. 23 in Minneapolis, MN. "Channel 23 began its existence as Spectrum, a pay movie and sports service that broadcast scrambled sig-

nals to subscribers. When the Twins and North Stars pulled out of Spectrum last year, the station converted to an unscrambled UHF broadcast facility, using the call letters KTMA. The owners of the station, United Cable in Denver, let it be known that they were looking for a buyer. In the meantime, KTMA general manager Bruce Brisbine struck a deal with Jack Moore of K-Twin cable to air jazz-flavored music videos on Channel 23. That agreement came to an end on June 29, with Channel 23 switching to rock-oriented satellite-video videos from a company called Hit Video U.S.A. The station now has itself positioned somewhere between MTV and VH-1, according to Brisbine, but all that will change once again when the new management team, headed by Ed Herlihy of Atlanta, takes over the station in about two weeks. A program list included in the article shows all old syndicated programs. "There are several big-name network series that have not been purchased for this market...but as the third (if you're not counting KXLI, Channel 41) independent station in the Twin Cities, it will be necessary for KTMA to start programming at a modest cost level."

The 7/19/86 Ventura County & Coast Reporter, which Patrick describes as a weekly hotel/motel entertainment newspaper in the Ventura County, CA, area, did an update on KTIE, ch. 63 in Oxnard, CA, after ten months on the air. A program called Gold Coast, a half-hour talk program, features Ventura County guests. Station president Don Sterling says, "Our two biggest headaches are the fact that the LA Times doesn't carry us in their TV schedule, and the fact that it's difficult for people to know how to get us." "According to Sterling, rule number one in television is no new station should have a news department, a complicated and very expensive operation." "So KTIE features a full news department, complete with ENG truck (Electronic News Gathering) and an annual budget of more than one-half million dollars. KTIE, says Sterling, spends more on its news department than all other programming combined." "KTIE focuses on local news, what's happening in and around Ventura County. This, says Sterling, is the philosophy of the station as a whole."

Ed Frye sent in a few clippings from Variety magazine: Effective 7/1, Ted Turner will be scrambling Cable News Network and CNN Headline News. Viewers will have to pay \$395 for a decoder and \$25 yearly to receive those services. To date, HBO, Showtime, Cinemax and The Movie Channel are also scrambling. The FCC finally caught Captain Midnight! Out of 580 uplink facilities, only a few had the power to override HBO's signal, and only one of those few had the type of character generator that could have produced the type of letters on the picture. That was the Central Florida Teleport in Ocala, FL. John R. MacDougall was the only operator at the facility at the time. KCFR in Los Angeles was given \$475,000 from the Weingart Foundation to renovate a historical production studio and purchase new technical equip-

ment. Meanwhile PBS station KOCE in Orange County, CA, was forced to lay off 10% of its staff because of cuts in funds resulting from Proposition 13. In a joint venture to be named Crimson Satellite Associates, RCA Communications and Home Box Office are acquiring 16 transponders on the RCA Americom's K-3 satellite to be launched in mid-1989.

A new DX challenge for the Washington DC area. According to an FCC release sent to me from Larry Vogt, the National Association of Broadcasters applied to the FCC for a construction permit for an experimental television station to operate on a 10-mHz band within channel 58-59. The application calls for 1.5 kw ERP, 375' HAAT. The transmitter will be 6.0 miles NW of the U.S. Capitol. The station should be transmitting HDTV signals as early as Sept-Oct. this year, and be transmitting a 'High Definition signal in November or December that will be compatible with conventional television sets. The purpose of the test is to demonstrate that HDTV does not need to be limited to satellites or closed-circuit systems, but can be aired over terrestrial broadcast stations. The project is intended to make HDTV acceptable to the broadcasting industry, and cause the FCC to reconsider its plans to allow land mobile services to share UHF television spectrum that could be used for HDTV. The NAB, along with the Association of Maximum Service Telecasters will be experimenting with several systems. First will be the MUSE system, developed by NHK (Japan Broadcasting) and using 1125-line pictures. MUSE can be broadcast in an 8-mHz wide channel and include stereo sound. One of the approaches to be taken with some of the other systems is to transmit on two television channels, not necessarily co-channel. One channel would transmit a standard broadcast signal. The other channel would transmit additional picture information. Programming will include drama, light entertainment, news, sports and documentary.

New member Max Sittel reports on his area. "Nashville has a new LPTV on the air. It's W61AR... 'Good News Television.' They broadcast from 6 AM to midnight (CDT). They broadcast religious programming with a few national programs, and locally produced ones as well." "WHTN-39 has recently switched to a religious format also, but with more well-known shows." "Their old format was mostly Odyssey music videos. WCAY-30 has a better lineup now.... They used to show movies quite a bit." "First independent in Nashville WZTV-17 shows mostly cartoons and comedies. They also air Family Ties and Super Password instead of NBC affiliate WSMV-4, which airs Channel 4 Magazine." "Also, WKRN-2, the ABC affiliate, airs CBS Sunday Morning instead of the CBS affiliate, WTVF-5." "Closer to home, our newest station, WETO-39, has been on the air for about 8 months. They are on 24 hours a day, and show a wide variety of shows, but have quite a few cartoons. They label themselves 'The Kids' Connection' during these shows, which air in the early morning and mid-afternoon hours. Comedies are scattered throughout the mid-morning and late-afternoon hours." "If you

see WETO-39 at night, they go by 'East Tennessee's own' and usually give a full ID every 15 minutes. (Unlike previously mentioned WZTV in Nashville, who go by 'Z-17' and rarely ever show or say the calls) They also air country music videos from 0030 to 0600 EDT. Also, for those that may not know yet, KMTV-3 and WQWT-6 in Omaha, Nebraska, have switched networks, as of sometime in early July. Also, WKPT-19 xltr W39AJ is now W51AJ."

More sports networks from Richard E. Berg-Andersson: Cleveland Indians: WUAB-43 (Cleveland), WUPW-36 (Toledo), WKBN-27 (Youngstown), WOBBV (Columbus). Minnesota Twins: KMSP-9 (Minneapolis), KVRN-15 (Fargo), KXWY-20 (Casper WY), WAYK-56 (Melbourne FL). Oakland A's: KAIL-53 (Fresno CA), KAME-21 (Reno NV), KASK-48 (Las Cruces NV), KHSL-12 (Chico CA), KUSK-7 (Prescott AZ), KCRA-3 (Sacramento CA), KPXS-5 (San Francisco), KRLR-21 (Las Vegas NV). Boston Red Sox: WSBK-38 (Boston), WWLP-22 (Springfield MA), WCHS-6 (Portland ME), WLBZ-2 (Bangor ME), WAGN-8 (Presque Isle ME), WNNE-31 (Hartford VT), WVTI-30 (New Britain CT), WLNE-6 (New Bedford MA). Seattle Mariners: KIRO-7 (Seattle), KAYU-28 (Spokane), KECH-22 (Salem OR), KTRV-12 (Boise ID), KTTY-4 (Anchorage AK). Los Angeles Dodgers: KTTV-11 (Los Angeles), KVVU-5 (Las Vegas NV), WAYK-56 (Melbourne FL selected games). New York Mets: WOR-9 (Secaucus NJ), WTXN-20 (Waterbury CT), WUHF-31 (Rochester NY), WTOG-44 (St. Petersburg FL), WUTV-29 (Buffalo NY). Philadelphia Phillies: WTAJ-29 (Philadelphia), WLXH-15 (Lancaster PA), WBRE-28 (Wilkes-Barre PA). Pittsburgh Pirates: KDKA-2 (Pittsburgh PA), WJAC-6 (Johnstown PA), WSTP-35 (Erie PA), WKBN-27 (Youngstown OH), "TV-65 (Harrisburg PA). ("beats me"). San Diego Padres: KCST-39 (San Diego CA), KOOG-30 (Ogden UT), KGSV-14 (Albuquerque NM), KMSB-11 (Nogales AZ), KRLR-21 (Las Vegas NV). Richard writes, "I notice from the Metro NY edition of TV Guide-that Ch. 20 joins Ch.9 in showing Mets' Fri. night games. As a Met fan who watches a lot of games, I've noticed that-on Fri. night-they do tone down the WOR-TV promos on Ch.9. I could be wrong, of course, but I would assume that Friday is 'Mets' TV Network' night, the rest of the over-the-air Met telecasts being WOR-Ch.9 only. Is there anyone out there who watches the Mets on any of these other stations who can confirm or correct me? Just looking at the Western New York TV Guide from the WTFDA convention: August 4-7 was 'Mets at Cubs' on WOR and WGN only. Aug. 8 was 'Mets at Expos' on WOR and WUHF-31. WUTV-29 had a movie. On another subject, Richard writes, 'I agree with John Combs' comments in your column in the July VUD: the heck with the maps (if that's the major problem); let's get out a good TV station list. While the maps in the last edition were helpful and would be missed, an updated TV station list is in my opinion essential to many WTFDA members. After all, [the] LPTV/Translator list doesn't have maps (except the diagrams of translator relationships); the National Radio Club's Domestic Log of AM stations doesn't have maps."

Ron Wing sent an article from the 8/5/86 Wichita Eagle-Beacon. "KAKE, Ch. 10, has pur-

chased a sister station in Colby to broadcast programming to 17 counties in north-west Kansas that it previously could not reach. KLBV, Ch. 4, which operated for 1 1/2 years as an independent before going off the air last December, will become KAKE's second sister station, joining KUVC in Garden City. The purchase price was \$1,382,200. 'It's a crackerjack station' said KAKE president Rob Dalton, who began negotiating the deal in May. 'It's beautiful equipment, state-of-the-art. The equipment was worth more than the purchase price.' The Colby station could go back on the air as early as this fall with network and syndicated programming. Buyers plan to connect KLBV with KAKE via a new \$500,000 microwave link that can transmit local programming. That could take about seven months. And a year from now, the Colby station could be up to speed as a full-fledged sister station with its own 15-member staff-as Garden City has-including a local news department, Dalton said. "The acquisition was designed to make the three KAKeland stations more competitive outside the metro area against the six stations in the Kansas State Network...and the four stations in the Kansas Broadcasting System. 'We will have signal parity with KSN and KBS' Dalton said, although the system still will have fewer stations. KAKE has long been a dominant metro...station. But even with five translator stations in Great Bend, Salina, Russell, Hays and Herington, it could not send its signal as far as its local rivals with their regional networks."

"Channel 4 Broadcasting Inc...built the new station to be an ABC affiliate because the closest ABC station was in Nebraska. The NBC and CBS signals were present because of KSN and KBS. But ABC officials denied the affiliation because the station would infringe on KAKE's and KUVC's territory, Dalton said. The station then went on the air as an independent on July 4, 1984. It went off the air because programming costs became prohibitive."

Also from Ron, "I have read that local KSAS-24 is to be an affiliate of the new Fox network. I wonder if the VUD could publish a list of all such affiliates?" As soon as I can get a list. Most likely Broadcasting magazine or the SRDS Spot Data book will publish such a list. Rod O'Connor sent a few clippings showing a helicopter placing the new antenna of KTTY-4 in Anchorage AK above the Hilton Hotel, the former transmitter location of KTUU-TV, ch. 2, which is now transmitting from Goose Bay. "Channel 4 officials said that the 40,000-watt antenna is 50 percent more powerful than the antenna the station uses now. The new antenna also is 300 feet higher than the current antenna near Lake Otis Parkway and Dowling Road. The added power and higher altitude should improve reception in the Anchorage bowl and enable residents of Bootlegger Cove, Eagle River, and pockets of Turnagain that can't get the station now to receive the channel on their television sets.... Channel 4 went on the

air in December 1983 with a 10,000-watt signal.... (Anchorage Times)

According to the 6/3/86 Kodiak Daily Mirror, the Learn Alaska network, which had been broadcasting audio instructional programs since 1980 and instructional television since 1981 via satellite, was scheduled to make its last broadcast on June 30. Rod adds, "This result is due to Alaska's critical financial crisis - due to drop in oil prices & loss of tax base."

Nate Fly writes, "WMSN-47...on the air since the 8th of June with independent programming. They are quite strong here (Madison WI -wbf) and create substantial image problems. Most of the people I've talked to really like the station. The Brewers games are a big draw in viewership." According to an article Nate sent in from the 7/21 Wisconsin State Journal, a squirrel really got a charge out of the station. "WMSN-TV, Madison's newest television station, was prevented from broadcasting all day Saturday by a squirrel's antics. Nathan Brand, a member of the station's board, said Wisconsin Power and Light Co. called them about 7:30 a.m. Saturday and said a squirrel had found his way into a substation transmitter box, where he burned up, creating a surge of power that burned out some electrodes."

And from the 8/5/86 Wisconsin State Journal, TV 58 Ltd, which has been trying to get a LPTV station built in Milwaukee WI, is having financial problems, and is turning to Weigel Broadcasting Corp. of Chicago for help.

Tom Yingling sent an article about the purchase of WMAR (ch. 2 in Baltimore MD), WRLH (ch. 35, Richmond VA) and the Baltimore Sun. The three are owned by A.S. Abell Co., which is being sold to the Times-Mirror Company.

The article points out that, under the FCC rule against ownership of newspapers and television in the same area, Times would have to sell either the newspaper or the Baltimore station. A.S. Abell owned both the Baltimore Sun and WMAR before the FCC ruling was passed and was exempt.

00PS! The Times-Mirror will in turn sell the television station to George N. Gillett Jr.'s Gillett Group. Gillett has expressed a hands-off policy with respect to his businesses, and will allow the station to run as usual. There would be no noticeable changes in its programming.

Jeff Kadet asks, "Wonder if you any info on a channel 56 LPTV that carries TSN. I think it is from SE KS, SW MO or NE OK. Others have suggested Steelville, MO, but this seems to be in a more westerly direction." I haven't been doing any updating on translators or LPTV stations lately, but can any WTPDA members out there help out? Jeff also reports that WEIU-TV, ch. 51 in Charleston IL is on the air. It's an educational station. I have it as 48.5 kw max ERP with 234' HAAT, not much.

John Combs sent in a few interesting articles. One mentioned a new fad in the works: Bingo programs on TV. They have it in Los Angeles, Honolulu, Oklahoma City, New Orleans, and West Palm Beach. Pittsburgh has

two stations airing Bingo: WTAE-TV and WPXI. The bingo programs are more popular than the programs they replaced: Divorce Court and Sale of the Century. Bingo cards are distributed by supermarkets, fast-food restaurants, and department stores that sponsor the programs. Because the cards expire each week, customers have to patronize the businesses regularly. Another article reports that WJXT-TV, ch. 4 in Jacksonville, FL, the CBS affiliate, had been approached by NBC to switch networks. The article didn't suggest that the station would change networks, however. Local newspaper listings in Jacksonville are including W49AI, Crystal River, in their program listings. Another newspaper clipping reported that WJXT-4 and WTLV-12 are now transmitting on their new joint tower project near Southside Boulevard, and asked viewers how reception had changed. A viewer in Arlington said 12 is perfect and 4 is poor. A Westside viewer also reported 12 coming in better than 4.

John also forwarded a report from Richard Clark: "Ch 11 XM.. Ciudad Juarez 'Imevision canal 13' is on the air after almost 20 years!! KINT ch 26 is SIN and not IND as reported. Now back to Caribbean TV. Ch 9 WSUR Ponce and Ch 11 WLLI is back on the air after 4 years inactive. New TV on the air is Ch 22 WNJX 'tele once' Mayaguez, WIEC Ch 48 Ponce 'WRVR', WTIN Ch 14 Ponce 'WPRV', and also 6 UHF channels in Santiago D.R. in the 375-420 mhz band as well as two channels in Santo Domingo on 239 mhz and 252 mhz."

Bruce Elving sent a quick note about KBJR-TV, ch. 6 in Superior, WI: "KBJR-TV... usually mentions only 'Duluth' in its hourly identification, although at sign-off midnight Saturday night they said 'KBJR-TV Superior Wisconsin, now comes to the end...'"

There is quite a bit of Canadian news from Walter Patton, Frank Merrill, Tom Yingling and Dave Sinclair that I will hold for next month, but this one article from Dave Sinclair deals with KONG-TV, c- 16 in Everett, WA: "KONG-TV cleared another legal hurdle yesterday (7/14 -wbf) in its bid to become Puget Sound's newest television station when a judge threw out a lawsuit filed by Cougar Mountain residents to block construction of its antenna. But after the ruling, station manager Dan O'Brien estimated it would be 'late this fall' before broadcasting could begin-despite the latest court victory. King County Superior Court Judge Gary Little dismissed a lawsuit filed by the Cougar Mountain Residents Association after hearing opening statements in the non-jury trial. Little said the issues raised already had been resolved in another court proceeding 1st year. King County Superior Court Judge John Darrah ruled against the Cougar Mountain residents in October, saying the station didn't have to study the environmental impact of putting up a 300-foot broadcasting tower on the mountain. Residents contend the new tower aggravates problems caused by the more than 20 broadcast towers already operating on the mountaintop." (Seattle P-I, 7/14/86)



QSL CORNER

THOMAS J. YINGLING, JR.
221 PINEWOOD ROAD
BALTIMORE, MD 21222-2345



FM QSL's

MD WKHI 99.3 Ocean City, P. O. Box 758, zip 21842. Letter from Wayne Powell, Program Dir. in 1 week. (Yingling)

MA WRZE 94.9 West Yarmouth, 287 S. Sea Ave., zip 02673. Send back my prepared card from Kevin Casey. (Holbrook)

MD WCLY 95.5 Morningside, * 6301 Ivy Lane, Greenbelt, MD. Send back my prepared card, signed by Thomas ? ?????, CE. New call for WPGC-FM. (Holbrook)

AL WQCL 93.5 Butler, Box 566, zip 36904. Short letter from Henry Tyson, CE. (Cooper)

PA WFMZ 100.7 Allentown, East Rock Rd, no zip given. Letter from David G. Hinson, Program Dir. (Cooper)

NY WYUT 92.7 Herkimer, 114 N. Prospect St., Box 511, zip 13350. Nice letter & coverage-maps for both WYUT-FM & WMYL-AM from Dan Keating, Program Dir. (Cooper)

SC WYFG 91.1 Gaffney, Box 578, zip 29342. Letter & business card from Tim Trogdon, Manager. (Cooper)

NY WKGL 92.7 Middletown, 1 Broadcast Plaza, zip 10940. Letter from Mark Steven West, Program Mgr. (Cooper)

NY WHUD 100.7 Peekskill, Radio Terrace, zip 10566. Verie letter & much promo stuff from Nathaniel B. Johnson, CE. (Cooper)

WI WJMT 93.5 Merrill, 1018-A East Main St., zip 54452. Letter from David N. Cory, General Mgr. (Cooper)

NC WGNI 102.7 Wilmington, 211 N. 2nd St., zip 28401. Letter as result of a r/up from Bobby Mercer, PD. (Cooper)

SC WRJA 88.1 Sumter, Box 1167, zip 29150. Letter in 2 months from L. W. Griffin, Jr., Transmitter Supervisor. (Cooper)

GA WQCV 102.5 Waycross, Box 1989, zip 31502. Letter from f/up report from Mike McKay, Operations Dir.

(Cooper)

PA WOEQ 103.1 Freeland, * Box 370, zip 18201. Letter from f/up report from Russell A. Caron, C.E.O. (?) (Cooper)

PA WLEV 96.1 Easton, Box 81. Brief letter from f/up from Larry W. Roberts, VP & GM. (Cooper)

WI WBIZ 100.7 Eau Claire, 619 Cameron St. Short letter from Jerry Schnacke, GM. (Cooper)

ME WTMS 96.1 Presque Isle, Box 1177. F/up produced letter & bumper sticker from Charlene Goodine, PD. (Cooper)

VT WJJR 98.1 Rutland, The Opera House, Merchants Row, zip 05701. Handwritten letter from Neil Langer, CE. (Cooper)

NS CKO9 103.5 Halifax, * 30 Carlton St., Toronto, ON, Canada M5B 2E9. Letter from Paul Kudla, Dir. of Eng. (Cooper)

VA WVHK 95.3 Petersburg, Box 87, zip 23804. Letter on colorfull stationery from Nick Allen, PD. (Cooper)

ME WRDO 92.3 Augusta, 1 Memorial Circle, zip 04330. Letter from Richard A. Hyatt, President. (Cooper)

MD WBSB 104.3 Baltimore, 7 E. Lexington St., zip 21202. Letter from Roger DuFault, CE. (Cooper)

NC WOBR 95.3 Wanchese, Box 400, zip 27981. Great letter from Patrick J. Cahill, GM. (Cooper)

OH WMRN 106.9 Marion, Box 318, zip 43302. I'm their first Massachusetts listener! Letter from F. J. Peters, CE. (Cooper)

IA KRVR 106.5 Davenport, 706 Brady St., zip 52803. Letter from Marshall (Pete) Deets, CE. (Cooper)

MD WMKR 106.5 Baltimore, * 200 E. Joppa Rd., Towson, MD 21204. Verie letter from Frank Russo, CE. (Cooper)

33 NY WBAZ 101.7 Southold, 44210

County Road 48, zip 11971. Letter from Maureen Roslak, Dir. of Adm. (Cooper)

VA WYFI 99.7 Norfolk % Bible Broadcasting Network, Box 888, Henderson, NC 27536. Letter from Hank Crull, Manager. (Cooper)

NB CBD-FM 91.3 Fredericton-St. John no address given, verie card signed only by "G.T.A." (?) (Cooper)

TN WMSR 99.7 Manchester, Box 290, Oakdale St., zip 37355. Verie letter with goodies from W. R. Daniel, V.P. & G.M. (Cooper)

MO KTUF 93.5 Kirksville, 211 W. Washington St., zip 63501. Letter & business card from William D. Collins, PD. (Cooper)

KY WSOE 89.9 Madisonville, 721 Princeton Pike, zip 42431. My 2nd verie from them, this one from Carl Brothers, GM. (Cooper)

IL WIUM 91.3 Macomb, Western Illinois University, zip 61455. Verie letter from Jim Sticklen, no title. (Cooper)

NC WDZD 93.5 Charlotte, *Suite 7, Ocean Isle Square, zip 28459. Nice letter & much promo data from Gary Branson, GM. (Cooper)

NJ WDVR 98.3 Ocean City, Box 826, zip 08226. Letter & biz card from Chuck Kramer, Exec.G.M. (Cooper)

MS WOKK 97.1 Meridian, Box 5797, zip 39305. Brief hand-written letter sign by Van Mac, Ops. Mgr. also send coverage-maps & bumper-stickers. (Cooper)

CT WECS 90.1 Williamtown, 83 Windham St. zip 06226. Hand-written letter from Bill Arnold, Music Dir. also send was a record play list, & mentions only 441 watts! (Cooper)

VT WKXE 95.3 White River Junction, Box 910, N. Hartland Rd., zip 05001. Verie lette from Andy Leckart. (Cooper)

DE WSEA 93.5 Georgetown, zip 19947. Letter & colorfull coverage map from Stephen G. Wallace, Eng. (Cooper)

ME WAYU 93.9 Lewiston Box 330, zip 04240. Letter from Rick Steele, Program Dir. (Cooper)

NJ WPST 97.5 Princeton, 221 Witherspoon St., zip 08542. Return letter from Brian Tonneson, Asst. CE of WPST/WHWH. A friendly letter of verification noting an antenna system change late this summer & requesting a later reception report. Reply in 30 days. (Nieman)

FL WJIS 88.1 Bradenton, P. O. Box 1640, zip 33506-1640. Letter from Cathy Bussey, Office Manager in 3 days! acknowledged they are new on air (6-2-86) & said they have a "Daughter" station of WCIE, Lakeland, FL. She says "Joy to hear that someone is picking us up so far north" (just wait to they get picked up on Es's!, ed.) (Bishop)

FL WJST 94.5 Port St. Joe, P. O. Box 880, zip 32402. Letter from Cindy Livingston, Secretary in 10 days. (Van Horn)

GA WSVH 91.1 Savannah, 409 E. Liberty St., zip 31401. Letter from Larry Roberts, GM plus program guide in 33 days. (Van Horn)

GA WCHY 94.1 Savannah, P. O. Box 1247, zip 31402. Letter from Martin Foglia, CE in 3 days!. (Van Horn)

GA WKUB 104.9 Blackshear, P. O. Box 112, zip 31516. Letter & bumper sticker from Troy Mattox, GM in 7 days. (Van Horn)

Reporters this are are Ernest Cooper, Dave Nieman, Waldo Bishop, Larry Van Horn, & Tom Yingling, editor-me! The reason this month is a real biggie is because I found a 2 pages of qsl items that I never used yet, & the data was getting a little old. Remember when you send your next qsl info send in who verifies the most of your qsl's as mentioned in last 2 columns. Also send in any tv id logos you have copies of, like from your local tv guide, or newspaper for future column upcoming.



7315
Tom

NORTHERN FM-DX

Joseph Fela
150 Robert Place
So. Plainfield,
N.J. 07080
1-201-755-3852

SEPTEMBER 1986

DEADLINE: 8th of the month

Greetings. As this is my first column, I'd just like to comment that no changes in column format or policy are planned. However, one thing I would like to see more of in reports are slogans and non-IDs (e.g. Hawk-98 or Z-103) as well as format. Milages remain optional. The deadline will be the 8th but if your report gets here the 9th or 10th, there's a chance it will still be included. Older reports will get preference though. Finally, if anyone has any comments on the type, let me know. I can go a bit bigger and to a different font if necessary. Now to the reports -

DAVE NIEMAN - AKRON, NEW YORK - 14001-9529 EST/EDT

Equip: Carver TX-11 tuner, Channel Master 4408/Stereo Probe 9 antenna at 25'AG (815' ASL)	
MARCH 1986	14 Es
23 Tr	1912 CBNM 90.3 NF Marystown t-m 1305
0734 WFLO 95.7 VA Farmville (mono) 394	17 Es
28 Tr	1036 KXLS 99.7 OK Alva r\$ 1149
0800 CBEE 88.1 ON Chatham t-m (ex-95.1) 194	1102 KJTY 88.3 KS Topeka g\$ 937
APRIL 1986	June 1986
5 MS	10 Es
0932 KDSU 91.7 ND Fargo (91.9?-jf) 940	2214 WMNF 88.5 FL Tampa j\$ 1060
22 GW	11 Es
2201 WKYN 97.5 PA St.Marys-Bradford-Dubois r\$ "97-KYN" 108	1544 KCFR 90.1 CO Denver c\$ 1396
30 GW	1549 KRDO 95.1 CO Colorado Springs b\$ 1401
0858 WFRM 96.7 PA Coudersport r\$ "all hits..FM 96.7" 89	1556 KBCO 97.3 CO Boulder rp\$ "FM-97..BCO" 1401
MAY 1986	1608 KAWL 104.9 NE York \$ 997
7 MS	1643 WJIS 88.1 FL Bradenton g\$ 1097
0559 KKOK 95.7 MN Morris \$ (s/on) 887	1700 WOKA 106.7 GA Douglas k (mono) 829
9 Es	1703 WOFF 105.5 GA Canilla-Pelham (Braves BB) k\$ "Country 105" 871
2144 CBNM 90.3 NF Marystown t-m 1305	1712 WSGY 100.3 GA Tifton-Albany r\$, "Y-100" 845
10 Es	1724 KSID 98.7 NE Sidney m (mono) 1265
0944 WRMF 97.9 FL Palm Beach r\$ 1123	1737 KRXV 107.5 CO Lakewood r\$ 1397
0959 WJCT 89.9 FL Jacksonville c\$ 892	1744 KBRQ 105.1 CO Denver k\$ 1396
1012 WPCV 97.5 FL Winter Haven-Lakeland k\$ 1050	1759 KCOL 107.9 CO Fort Collins b\$ 1380
1020 WOKD 98.3 FL Arcadia k\$ 1118	1805 KSRZ 94.9 NE North Platte r\$ 1155
1023 WYKZ 98.7 SC Beaufort k\$ 740	1822 KRQU 102.9 WY Laramie r\$ 1396
1045 KCIL 107.5 LA Houma r\$ 1155	1842 KKAZ 100.7 WY Cheyenne r\$ 1354
1053 WRUF 103.7 FL Gainesville r\$ "Rock 104" 948	15 Es
1058 WHLY 106.7 FL Leesburg-Orlando r\$ "Y-106" 1008	1301 KKJQ 97.3 KS Garden City-Dodge City k\$ "Q-97-FM" 1223
1108 WQST 92.5 MS Forest k\$ "92-QST" 945	1336 KKCS 101.9 CO Colorado Springs r\$ 1401
1117 WMEZ 94.1 FL Pensacola b\$ 992	20 Tr
1157 KWIC 107.9 TX Beaumont-Port Arthur r\$ 1244	2318 WIXX 101.1 WI Green Bay r\$ 493
1159 WWOW 107.3 FL Pensacola k\$ Wow-107 992	2357 WHRM 90.9 WI Wausau j\$ 577
1201 KJOJ 106.9 TX Conroe-Houston g\$ 1284	21 Tr
1203 KHAA 106.7 LA Port Sulphur m\$ 1165	0800 WNMU 90.1 MI Marquette \$ (NPR) 506
1219 WMSU 88.5 MS Hattiesburg c\$ 1002	0914 CBLJ 88.3 ON Wawa t-m 467
1249 KABF 88.3 AR Little Rock (mono) 934	22 Tr
1308 KKYK 103.7 AR Little Rock r\$ 934	0001 WGUC 90.9 OH Cincinnati j\$ 414
1311 KEYI 103.5 TX San Marcos-Austin r\$ "Key-103" 1407	0638 WXRC 95.7 NC Hickory r\$ (prev MS) 522
1316 KWNS 104.9 TX Winnsboro n\$ 1144	27 Tr
	1656 WNFA 88.2 MI Port Huron g\$ 202



WRLH-TV35
Richmond, Virginia



JULY 1986

5 Es
1830-2000 to 91.9 MHz. No IDs
7 Es
2257 WBSN 89.1 LA New Orleans g\$ 1109
9 Tr
0630 WEQX 102.7 VT Manchester-Albany (NY)-
Rutland-Bennington "EQX" r\$ 275
14 Es
1949 WHER 103.7 MS Hattiesburg b\$ 1002
1951 KWIC 107.9 TX Beaumont r\$ 1244
1958 KSMI 104.9 LA Donaldsonville r\$ 1128

BRUCE F. ELVING - 241 ANDERSON RD. - ESKO, MINNESOTA - 55733-9413

Brief skip May 25: KVNE #89.5 Tyler, TX, then I logged KFGO-FM 101.9 Fargo, ND 6-4 with its new b, \$ format.

Then on June 11, one of the finest skip days of my DXing career occurred. This more than made up for the lack of any significant skip on any other day in 1986. I heard skip between 1200 and 2018, and stations received were;

KRVS #88.7 Lafayette, KQID 93.1 Alexandria, with its "93-QID" slogan and mailing address, WRKF-89.3 Baton Rouge with Stereo main carrier and music subcarrier at 67 kHz and data at 92 kHz, all LA. From AL: WLRH #88.3 Huntsville, WHOD-FM 104.9 Jackson, Mississippi: WSSI-FM 98.3 Carthage, WGCM 102.3 Gulfport, WMPR #90.1 Jackson, WAKH-105.7 McComb (giving dual city ID with Brookhaven), and WMAU-FM #88.9 Bude. For the latter, I ignored the other stations mentioned in the i.d. and taped only WMAU-FM's mention. WMAU-FM had stereo and an SCA consisting of an American Chemical Society program, 67 kHz.

From Texas, KORG-FM 100.7 Abilene, KSBJ #88.1 "Something better for Houston," Stereo, KACU #89.7 Abilene, which surprised me with its stereo, public radio schedule rather than being gospel, as I would have expected from the licensee, Abilene Christian University. Then KDXR 104.3 Borger, KZZQ 101.9 Amarillo. Right after getting KDXR, on 104.3, KVGB-FM Great Bend KS slipped in with a legal i.d. at 6:35 p.m. CDT.

From AR: KASU #91.9 Jonesboro. GA: WAGQ 104.7 Athens. OK: "KQ-106" with legal call letters from KQTZ 105.9 Hobart, KJIL 104.9 Bethany. NM: KMTH #98.7 Maljamar, giving i.d. with another station. Then the opening closed around 11 p.m. Local time with Arizona: KNAU #88.7 Flagstaff and KKFR 92.3 Glendale.

Several stations re-heard from previous openings, including some with new call letters, but I am only listing the new stations never before having been received here. Others may have DX to report from this date, and I want to keep my report brief. Later, on 6-20, I received WTKM-FM 104.9 Hartford, WI, near Milwaukee, an old station that had eluded my DXing efforts, partly because of a local on 105.1. WTKM-FM mono, mainly polka music.

73ily, Bruce

ALAIN PEPIN - ST-JEAN-SUR-RICHELIEU - P.Q. - J3B 3N8

Rcvr: Lloyds stereo (1976), rooftop antenna w.rotor. Tropo of June 28 and 29 caught in Mont-St-Gregoire, QC (6 mi. East of St-Jean) using Mitsubishi car radio and car whip antenna.

MAY 1986

17 Es
1830 WMAW 88.1 MS Meridian PRM network 1210
1800 WMAE 89.5 MS Booneville PRM net ID 1090
1724 WUOT 89.5 TN Murfreesboro, tent.
weather for Murfreesboro 940
1801 WMAB 89.9 MS Mississippi State
PRM network 1160
1802 WMAU 90.9 MS Greenwood PRM Prairie
Home Companion 1250
1701 WRAF 90.9 GA Toccoa Falls "FM 91
Toccoa Falls College WRAF" 910

1700 WUOT 91.9 TN Knoxville, ID for WUOT
+ WUTC, \$ 950
1713 WDEF 92.3 TN Chattanooga "It's Easy,
WDEF-FM 92" 950
2005 WLHT 95.7 MI Grand Rapids "W-Lite 95.7"
request from YL Listener in Clearwater
for guy in Chicago (WNLT-95.7 Clearwater
is W-Lite also - sure of which? - jf) 1120
1806 WMSM 97.5 MS Oxford "Miss 98 Miss.
Country jingle 1210
1815 WSWG 99.1 MS Greenwood lcl ads, r 1210,

JUNE 1986

28 Tr
2258 CKRL 89.1 QC Quebec FF ID, wired mx 133
2227 WMEA 90.1 ME Portland, Maine P.R. 188
2228 WMEH 90.9 ME Bangor Maine Pub. Radio 220
2146 WWLR 91.5 VT Lyndonville "All hit 92" 80
2200 WRDO 92.3 ME Augusta Solid Gold
Saturday Night 180
2210 CJMF 93.3 QC Quebec
FM-Quatre-vingt-treize 138
2311 WZOU? 94.5 MA Boston "Kiss 94 FM"
(nope - WZOU is The Zoo - try WKSQ
Ellsworth, Maine - jf)
2304 CBF11 96.1 QC Asbestos Radio Canada
w/tech. problems 65
2117 WWMR 96.3 ME Rumford "96 WMR All
Hit Radio 140
2245 WOKQ 97.5 NH Dover syndicated k 190
2302 WJBQ 97.9 ME Portland Ad for Red Sox
on WMER, ID, The Great 98 - 180
28 Tr (cont'd.)
2209 WHEB 100.3 NH Portsmouth "HEB-FM"
Hard rock 200
2229 WBCN 104.1 MA Boston, ID, hard r 233
2222 WORK 107.1 VT Barre "Stereo 107 WORK" 90
29 Tr
0001 WXXS 107.9 MA Boston "Kiss Club on
Kiss 108 WVPS Off 230
0006 WQCB 106.5 ME Brewster "Maine's
Most Powerful FM" 220
0015 WBUR 90.9 MA Boston, Spanish
pgm., mentioned Boston 233
0007 CBV8 90.1 QC Thetford Mines, ID for CBV
relay in St. Fabien de Panet 100
July 1986
10 Es
1900 WRMB 89.5 FL Ft. Walton Beach, legal ID
"Back to the Bible" 1260
(You heard WRMB but it's 89.3, Boynton Beach
-jf)

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD - NEW JERSEY - 07080

Rcvr: MR-78 Antennas: For 4/1, indoor. From 5/10 to late June, a CM 4408/Stereo Probe 9 at ground level. After that, a 2nd Stereo Probe 9 roof mounted, approximately 40 ft. AG, with rotor.

APRIL 1986

1 Tr
2000 WRVS 90.7 NC Elizabeth City, o/
local WFUV, ID, Black, urban contemp.
2200 WBNJ 105.5 NJ Cape May Court House
o/local WDHA, ID, b
2300 WBSB 104.3 MD Baltimore, o/lcl WNCN
B-104/legal ID/r

MAY 1986

10 Es
0945 WJMG 92.1 MS Hattiesburg, ads
0950 KLIL 92.1 LA Moreauville, KLIL-92
0959 WAKH 105.7 MS McComb-Brookhaven, ID
into Super Tracks, r
1000 KTDY 99.9 LA Lafayette, bumper
sticker promo, into Rick Dees, r
1001 KHYL 98.5 TX Port Arthur, ID, r
1007 WQLC 107.9 MS Poplarville, ID which
mentioned Picayune
1010 KKKX 106.5 TX Galveston, KKKX ID in SS
1020 KBIU 103.7 LA Lake Charles, Bayou 104, r
1029 KCTO 103.1 LA Columbia, ID, Gospel-103
1032 WBTG 106.3 AL Sheffield, ID
1035 KOOI 106.5 TX Jacksonville, ID, b
1045 WBA 107.3 FL St. Petersburg, Easy 107, m
1105 WMC 99.7 TN Memphis, r, FM-100
1113 KKYK 103.7 AR Little Rock, promo, r
1115 KCOZ 100.1 LA Shreveport, ID, FM-100, b
1120 WKJN 103.3 LA Hammond, Cajun-103, k
1131 WUJJ 96.5 AL Birmingham contest, Magic
1137 KVKI 96.5 LA Shreveport, license
plate contest
1144 WQLT 107.3 AL Florence, jingle
1154 KITT 93.7 LA Shreveport, ID, r, ment.
reception in Gettysburg, PA for 3 hrs.
1159 KRWA 103.1 AR Waldron, ID
1200 KAUL 102.3 AR Sheridan-Little Rock ID
1203 KHLS 96.1 AR Blytheville, ads, still 96.1
1229 KFIN 107.9 AR Jonesboro, jingle, k
1230 KIMY 107.7 OK Oklahoma City, Y-107, r
1238 KBXR 97.3 OK Weatherford, wx, ID
1243 KCF0 98.5 OK Tulsa, contemp. Christian

10 Es (cont'd)

1246 KORX 93.5 MO Greenfield, ID
1300 KAYQ 97.7 MO Warsaw, ID, Ozark-98
25 Es
1100 WAIA 97.3 FL Miami ID
1134 WKPX 88.5 FL Sunrise, r, ID, PSAs
1137 WWUS 104.7 FL Big Pine Key, ads, US-1
1143 WRIT 92.7 FL Stuart, ID, ads, b
1149 WGYL 93.5 FL Vero Beach, ID, ads
1154 WYGC 100.9 FL Gainesville, k, GC-101
1228 WPDS 93.3 FL Tampa, Paradise 93.3
+ call
1237 WSVE 92.7 FL Green Cove Springs
anncts. w/WSVE address, g
1240 WFUZ 93.7 FL Ocala, ID, r
1259 WARM 99.7 GA Atlanta, legal ID
+ Power 99
1300 WKSJ 94.9 AL Mobile "KSJ Mobile"
1305 WMAW 88.1 MS Meridian, PRM IDs
1310 WMAU 88.9 MS Bude, PRM, // to WMAW
1313 WLUN 95.3 MS Lumberton-Wiggins, ID
JUNE 1986
15 Es
1759 WUWF 88.1 FL Pensacola, ID
1800 WJSP 88.1 GA Warm Springs, ID which
mentions WDCO-89.7 and WXVS-90.1
Peach State Net/GA Public Radio
20 GW/TR
1955 W267AQ 103.1 NJ Fort Lee
WPST-97.5 translator
26 Tr
2118 WSCG 93.5 NY Corinth, ID, k, WRTN off!
27 Tr
2144 WHTF 92.7 PA Starview, call +
Starview 92 IDs, r

---To be continued next month. Will try to include my milages too! In July, noted Cubans on 91.9 and 95.9 for sure, prob. one on 90.3 plus SS on 91.5, 93.7, and 101.7. Anyone have an up-to-date list? 73, Joe

VHF UTILITY DX

DONALD L. BLEVINS
3615 EAST LOMBARD STREET, BALTIMORE, MD 21224 2408
PHONE # 301-522-2089

This month's feature will focus in on a new concept. Frequency research....I have taken the frequency 151.19 mhz and have listed everything licensed on that frequency in the US. This particular frequency is assigned to the Forestry Conservation Service, which is the agencies which are responsible for the care of our Forests. Most states utilize these frequencies for a number of duties directly associated with this function including Fire Suppression, law enforcement, and park's management. This data is extracted directly from FCC Files and therefore does not indicate present use. Try these out to determine use and of course report loggings to the above editor.

YFF 687	State of Alaska	AK	KHI 630	Durango	CO
	Cordora		KTY 536	Fort Collins	CO
	State of Alabama		KTY 536	Idaho Springs	CO
WAC 370	Barton	AL	KUV 715	La Veta	CO
WAC 372	Bay Minette	AL	KHI 633	Mancos	CO
WGU 616	Birmingham	AL	WYR 858	Mead	CO
WAC 371	Buhl	AL	KHI 634	Montrose	CO
WBJ 904	Dadeville	AL	KH 635	Norwood	CO
WAC 374	East Brewton	AL	MSY 91	State of Florida	FL
WAC 373	Forestdale	AL		Carrabelle	
WAC 375	Huntsville	AL	KDN-298	Chicago Park Dist	IL
WAC 376	Montgomery	AL		Chicago	
WNN 481	Montgomery	AL	KXC-628	Freeport Park Dist	IL
WAC 377	Ozark	AL		Freeport	
WAC 378	Selma	AL		Henry County	
	State of California		KHAY-981	New Castle	IN
KZQ-691	Adin	CA		State of Michigan	
KBS-206	Badger	CA	KHBV-958	Ypsilanti	MI
KUY-459	Bieber/	CA		State of Minnesota	
KMM-511	Camino	CA	WSC-503	Waterville	ME
KMD-229	Descanso	CA	WQC-463	Saint Paul	ME
KMB-209	Exeter	CA	WSC-231	Albert Lea	ME
KDJ 491	Fallbrook	CA	WPH-684	Argyle	ME
	Hayward Rec Dist		WRY-436	Ball Club	ME
KII-534	Hayward	CA	KUY-620	Bemidji	ME
	State of California		WRH 687	Bemidji	ME
KGI-748	Hot Springs	CA	WQS 215	Big Fork	ME
KYC-738	Iona	CA	WTF 938	Brainerd	ME
KMA 989	Jamul	CA	WTF 969	Caledonia	ME
	Don Pedro Rec Agency		WPH-685	Carlos	ME
KZH-941	La Grange	CA	WCK 888	Center City	ME
KZH-942	La Grange	CA	KOU-345	Clearwater County	ME
	State of California		WQS-219	Carlton	ME
KTX 708	La Grange	CA	WRY 438	Currie	ME
KBU-278	Laytonville	CA	KICE 370	Elba	ME
KBU-655	Laytonville	CA	KIG 384	Findland	ME
KDP-365	Lively	CA	WRH 690	Glyndon	ME
KSP-242	Live Oak Springs	CA	WQS 279	Grand Marais	ME
KMB-206	Philo	CA	WQS-218	Hibbing	ME
KMB-881	Pilot Hill	CA	KOU-344	Hinckley	ME
KMB-239	Pine Grove	CA	KAG-426	Itasca Park	ME
KIZ 695	Porterville	CA	WSC-238	Jordon	ME
KMA 436	Shingle Springs	CA	WPH-686	Lake Bronson	ME
KMB-232	Susanville	CA	WSV-972	Lake City	ME
KDI-492	Tecate	CA	WRY-438	Little Falls	ME
KBU-271	Ukiah	CA	WQS 277	Lutsen	ME
KSP-244	Warner Springs	CA	WRY-435	Lumaine	ME
KRY 392	Westwood	CA	WRY-429	Lynd	ME
KZQ 693	Westwood	CA	WRY-428	Mankato	ME
KBU 281	Willits	CA	WCH-708	Marine of St Croix	ME
KMB 457	Willits	CA	WRZ-288	McGregor	ME
	State of Colorado		WRZ-432	Montevideo	ME
KIG-697	Barnesville	CO	WRY-437	Monticello	ME
KHI 629	Del Norte	CO	WQS-217	Moosa Lake	ME

UTILITY DX

(continued)

WSZ 232	Narstrand	ME	KON-799	Hines	OR
WRY 433	New London	ME	KFY-329	Jewell	OR
WRY 434	New Ulm	ME	KYL-681	Lakeview	OR
KMZ-787	Onamia	ME	WRY-811	Lakeview	OR
WRY-431	Ortonville	ME	KMH-516	Mapleton	OR
WSZ-233	Owatonna	ME	KAW-747	Mount Hood	OR
WPH-691	Pelican Rapids	ME	KON-379	Noti	OR
WRH-688	Pencer	ME	KYL-682	Paisley	OR
WV-971	Prairie	ME	KOE-940	Prineville	OR
WY 990	Sandstone	ME	KOA-314	Salem	OR
KIG-885	Schroeder	ME	KOA-306	The Dalles	OR
WQS-285	Silver Bay	ME	KOA-708	Tillamook	OR
WQS-216	Soudon	ME	KLY-294	Tillamook	OR
WRH-689	Starbuck	ME	WKF-960	Tillamook	OR
KZV-377	Taylor's Falls	ME	KOA-705	Veneta	OR
WQS 278	Two Harbors	ME	KDZ-435	Westport	OR
WPH-683	Williams	ME	KFH-574	Wheeler	OR
KSV-970	Winona	ME		State of Texas	
	State of Missouri		KKJ-256	Henderson	TX
KLM 372	Ball City	MO		State of Virginia	
KSK-289	Branch	MO	WZU-298	Bottoms Ridge	VA
KZR-651	Charleston	MO	KFD-547	Charlottesville	VA
KUI-534	Doniphan	MO	KDJ-518	Chesterfield	VA
KYK-524	Grant City	MO	KTA-950	Goochland	VA
KZB-430	Kansas City	MO	KQR-364	Hanover	VA
KYK-526	Lathrop	MO	WRW-765	Powhattan	VA
KYK-527	Maitland	MO	KIJ-289	Sands	VA
KLM-373	Malden	MO		State of Vermont	
KOM-767	Meta	MO	WY-571	Hode Park	VT
KYK-530	Odessa	MO	WAH-253	Patterson	VT
KSY-492	Perryville	MO	WQS 87	Royalton	VT
KYK-531	Saint Joseph	MO	WAS-627	Saint Albans	VT
KOM-772	Saint Robert	MO	WAS-628	Shaftsbury	VT
WYC-840	Sunrise Beach	MO	WSY-476	Hishram	VT
KSK-294	Versailles	MO			
WY-578	Vichy	MO			
KYK-532	Winston	MO			
	Middlesex County				
KKQ-927	New Brunswick	NJ			
	State of New Jersey				
WRA-624	Tranton	NJ			
WRA-625	Upper Montclair	NJ			
WRA 625	Vineland	NJ			
WRA 623	Walpack	NJ			
WRA 627	Waterford Lake	NJ			
	State of Oregon				
KOK-705	Astoria	OR			
WPU-810	Cairo	OR			
WZU-218	Clackamas	OR			
WSL-727	Columbia City	OR			
WYC-584	Columbia City	OR			
WYC-585	Forest Grove	OR			
KOI-462	Glenwood	OR			
WQJ-891	Hebo	OR			



FM NEWS

New Stations, Translators Granted

AL Dixons Mills (32-07-45; 87-43-49) *90.9 50000 h.v.; 179 m, SW AL Ed. Radio
AL Elba WZTZ 101.1 640 h.v.; 208 m, said to be first new FM granted under FCC 80-90 rules [Soldotna AK]
AK AnchorPoint K224BU 92.7 (KPEN 101.7) AK Clam Gulch (S.W. Anchor Point) K228CQ 93.5 (KPEN translator)
AK Fort Greely AFR *101.1 mono k, "Not sure why they put it on 101.1, with Fairbanks there," 150 w assumed
AK Homer K272CN 102.3 (KPEN translator) AK Kachemak City K244CQ *96.7 (WMBI-FM 90.1 Chicago, Moody network, via satellite)
K265CK 100.9 (KPEN translator)
AK Palmer 95.7 100000 h.v.; 52 meters AK Stariski Creek (NW Homer) K285CZ 104.9 (KPEN translator)
AZ Flagstaff K211BA *90.1 (KILA 90.5 Las Vegas NV translator)
K244CP 96.7 (KHXH 106.3 Prescott Valley)
AZ Kingman K209AN *89.7 (KNAU 88.7 Flagstaff) [translator]
AZ Williams K201AU *88.1 (KILA/CA Bakersfield *90.1 3000 h.v.; 39 m, Spanish, Radio Bilingue, Inc.
CA Calexico *88.7 3000 h.v.; 83 m, Spanish, Radio Bilingue, Inc.
CA Redding *89.7 390 h.v.; 455 m, g, American Ed. Net. [Carbondale]
CO Aspen K202AT *88.3 (KDNK 90.5/CO Pueblo *90.7 3000 h.v.; 69 m, \$, g, Family Stations [Ed. Foundation
FL Port Charlotte *91.7 385 h.v.; 120', g/ GA Athens *88.9 1350 h.v.; 330', g, Prince Ave. Baptist Church
GA Quitman 105.3 3000 h.v.; 100 m
IL Quincy *88.5 40000 h.v.; 137 m, Grant Communication
IN Delhi 102.9 3000 h.v.; 100 m
ME Blue Hill WERU "FM" *89.9 50000 h.v., directional, 900', Salt Pond Communications
MI Marquette W288AH 105.5 (WMQT 107.5 Ishpeming); did not delete, prompting one Marquette resident to say, "So that's why I get WMQT at two places on the FM dial."
MN Deer River K272CM *102.3 (KBHW 99.5 International Falls)
MO Jefferson City K288DS 105.5 (KMFC 92.1 Centerville) [Sterling CO]
NE Sidney K276CX 103.1 (KNNG 104.7/ NV Ely 101.7 480 h.v.; 245 m
OK Lawton K257CX 99.3 (KATT 100.5 Oklahoma City)
K292DR 106.3 (KKNG 92.5/ PA Williamsport W296AP 107.1 (WWSH 97.9 Hazleton)
TX Dimmitt 95.9 3000 h.v.; 150'
TX Winfield (33-09-39; 95-06-15) KLSB 97.7 3000 h.v.; 215'
UT Bountiful KMGR-FM 107.5 10 w (KMGR-FM Qrem-on-channel booster)
UT Fort Douglas (Salt Lake City) K221CS 102.1 (KRGO 107.9 Roy)
WA Walla Walla 100.9 3000 h.v.; minus 43'
WI Lake Geneva W269AU 101.7 (WSJY 107.3 Fort Atkinson) [soft]
ON Hamilton CKLH 102.9 40000 h.v., r/ ON Woodstock CKOK 102.3 \$, r, "K-102.7", 20000 h.v., ON AIR-DX READY!
YT Dawson City CFYT *106.1 r, mono, "has been on since May, 1983! Operates noon to 9 p. m. with 1 watt; has applied to CRTC for 10 watts"

WGMM, WRCJ Extinct?

SEE ALSO AUGUST VUD FOR: ID Caldwell KLCI 103.1, possibly being off the air (but not yet deleted), Aden, p. 34
ME Brewer WQCB 106.5 nonID, p. 8;
WQCB on air in stereo? [Buga]
MA Charlton WBPV *90.1, Spanish, jr, p. 8/
MO Kirksville KRXL 94.5 nonID p. 10, Nollman [108," p. 9
VA Exmore WKRE-FM 107.5 nonID, "K-/

Call Letters Assigned/Changed

AL Brewton *90.9 WYJD (from WJDT) AL Demopolis 106.3 WZJN (WNAM)
AZ Flagstaff 93.9 KMGH (KSOJ); affects three translators
AZ Globe 100.3 KEYX (KIKO-FM); r, dual-city ID with Phoenix, still mono when last reported
AZ Phoenix 95.5 KOY-FM (KQYT), r, affects four translators
101.5 KAMJ-FM (KAMJ); affects 2 translators
AZ Sun City 106.3 KONG (KMZK); classical
AR Fort Smith 100.9 KB8Q (not KB8Q-FM); AM in Ventura CA has new calls (KGOG)
AR Hot Springs 97.5 KQUS "FM" (KWBO) CA Carlsbad 95.9 KKOS (not KVSD)
CA Eureka 92.3 KRED-FM (KPDJ)
CA Fowler 96.7 KEZL (KTED); ID with Fresno, b CA South Lake Tahoe 102.9 KTHQ-FM (KZFR)
FL Homestead 95.7 WRFM
FL Miami 96.5 WPOW (WCJX), still on 96.3, but will probably move soon because of WRFM 95.7 Homestead
FL Sarasota 102.5 WHVE (WAVE)
GA Nashville 95.3 WJWY (WLYZ); to be Stereo
IA Boone 98.3 KZBA (KWGB-FM) back on air, rock [vertical only]
IA Mason City *91.5 KRNI, to be \$, / KY Cadiz 106.3 WB2D (WKDZ-FM)
KY Georgetown 103.1 WMGB (WRMA)
KY Versailles 100.9 WJMM-FM (WJMM)
ME Sanford 92.1 WCDQ (WEBI) [still r]
MA Boston 103.3 WMRO (WHTT), Q-103, / MN Clara City 92.7 K244BT
MS Forest 92.5 WQST-FM (WQST); nonID assumed dropped
MT Glendive 96.5 KDZN (KGLE-FM); affects 2 translators
NE Crete 103.9 KBVB (KTAP); stereo?
NE Kearney 102.3 KZBC
NH Franklin 94.3 WFTN-FM
NM Alamogordo 105.5 KINN "FM" (KINN-FM)
NM Albuquerque 94.1 KZRR (KRKE-FM)
NM Armijo 107.1 KLOS
NM Los Alamos 95.8 KBBR (KKHJ)
107.1 KPZA
NY Bristol Center 95.1 WZSH (WYLF)
NY Buffalo 103.3 WPHD-FM (WPHD); nonID assumed dropped
NY Hempstead 98.3 WKJY (did not change to WMGG)
NY Hudson Falls 107.1 WRXJ (WNIQ)
NY Patterson 105.5 WMJV "FM" (WRVH)
NY Rochester 98.9 WKXL (WZKC), "Classic Hits 98.9"
NC Charlotte 95.1 WRQQ "FM" (WROQ-FM), r, not rp
NC Plymouth 95.9 WPMC-FM (WKLX)
NC Shelby 96.1 WMGF (WXIK)
OH Cincinnati *90.1 WCNF
OK Elk City 98.5 KTIJ [affects 1 xtr]
OK Owasso 106.1 KVLV "FM" (KVLV); / DK Poteau 97.9 KZBZ (KZBE-FM); nonID assumed dropped
OR Lakeview 93.5 KQIK-FM
PA Whitneysville 107.1 WLHI

Bruce F. Elving, Ph.D.
241 Anderson Road
Esko MN 55733-9413

SD Hot Springs 96.7 KZMX "FM" (KOBH-FM)
TN McKenzie 106.9 WMYN (WKTA)
TX Galveston 106.5 KQKQ (KXKK), still Spanish
TX Quanah 100.9 KIXC-FM (KQTX)
TX Victoria 100.9 KEPS
VA Buffalo Gap 105.5 WSNV
VA Cape Charles 96.1 WIAV, "Wave-96," (WWGH), \$, r, on air, DX Ready
WA Cheney *89.5 KEWU "FM" (KEWC "FM")
WV Keyser 107.1 WKZG
WV Westover 100.9 WMQW (WJCF)
WI Kaukauna 104.9 WKAU (WKAU-FM)
AT Edmonton 92.5 CKSY (CJAX), "King FM" (very strict), "have never heard CKNG call used on the air"; r
BC Kamloops 98.3 C1FM (CFFM), rm, "I-98" (affects 8 translators)
MB Sundance 99.1 CHGW
ON Chatham 95.1 CKSY "Cosy-95" (not strict), on air in \$, m
ON Fort Severn 90.1 CKFS (not CKFS)
ON Hawkesbury 102.1 CHPR-1
ON Toronto 88.7 CIRV, "Serve," on air, mono, ethnic, said to be interfering with Ontario reception of WBFO *88.7 Buffalo NY
PO L'Anse-a-Vallee 95.3 CJRV "FM"
PO Natashquan 90.1 CKNA [(CHGB-FM)
PO Riviere-du-Loup 107.1 C1BM/
NW Yellowknife 101.9 CKNM \$, ke, also some light r (native music, talk, 9 a.m. to noon daily)

ON AIR AND DX READY (Selected)
NE Albany KLBH 92.7 3000 h.v.; 245'
NY New York WRCR *90.3 8 watts h.v.; 335', CCNY-stereo? Music format?
WV Institute Weary *90.9 13000 h.v.; 430'

OFF THE AIR

CA Lemoore KQYZ 104.9
MI Gladwin WGMW 103.1, left air "about five months ago, financial difficulties," Phone disconnected; not deleted, owner talking to a party about buying it
OH Reading WRCJ *88.3—school said to have turned in license, but FCC not deleting station until license term expires; our reporter speculates it may resume occasional broadcasting just to hold license
OH Wilberforce WGSU *88.9 college administration took station off air because it did not like faculty director; WGSU expected to return to the air this fall
PA Kearsarge W224AC 92.7

DELETIONS

AZ Eager KEXC 92.5, FCC denies 3rd request for extension of time to build station
MD Williamsport W276AA 103.1, because of new Middletown 103.1 grant, with W228AM
* 93.5 Frederick now poised to better serve Hagerstown through upgrading
TX Katy K285CU 104.9, replaced by K285CS North Houston
SA Saskatoon CHSK *89.7, "some people are trying to get it back on, but probably wouldn't be part of U-Sask."
Multi-City IDs in Use
FL Palm Beach WRMP 97.9 heard with 'over 21 multi-cities with their ID'—list as [...]
IN West Terre Haute WVMR 105.5 adds Terre Haute, still mono
KY Hopkinsville WZZF 100.3 r, adds Murray. NonID given as "Z-104" but I think that's a mistake

FCC-FM

KY Russellville WBVR 101.1 with Bowling Green-Fort Campbell-Clarksville (TN); its five translators not yet on the air
MD Worton WKHS *90.5 adds Chestertown MI Charlevoix WKHO-FM 105.9, "KHQ," with Gaylord-Petoskey-Traverse City MI Gaylord WKPK 106.7, "107-KPK," with Traverse City-Petoskey
OK Edmond KOKF *90.9 with Oklahoma City, "They're trying to raise money to go to 50 kw at 1500," on KTBO 14's tower" [Harrisburg]
PA York-Lancaster WSBA-FM 103.3 adds/

FM/SCAaction, 57-92 kHz

New SCS (SCA) Categories,
A ABC network relay, usually the only/ Entertainment/Paul Harvey feed
B Relays of networks other than ABC, including state and regional networks
C Relays of AM or FM radio stations, cable audio, or campus carrier current stations
E Ethnic or foreign language
F Farm or financial (voice, sometimes with data in the background)
G Gospel and religious programming
I Information, such as resort area reports [voice] to hotel rooms or traffic reports
M Music, easy-listening or variety
P Paging (voice-occasional audio preceded by a tone)
Q Physician's news (voice)
R Music, foreground (usually rock)
S Sports and special events (occasional audio)
T Talking book for the blind and print handicapped; radio reading services (may include miscellaneous talk, such as instructional programs to groups such as lawyers, nurses, public relations people or county extension agents)
U Tones, telemetry chirps or warbles (used for station transmitter control; listed only if on a majority of the time)
V WWW National Bureau of Standards time
W Weather, such as relaying a nearby NOAA weather station
X Medium speed data, miscellaneous data
Y Slower speed data
Z Frequency shift data, or extremely high speed data

SCS ("Subsidiary Communications Services") Action, 57 through 92 kHz

AK Homer KGTL-FM 103.5, 67 kHz contains KPEN 101.7 Soldotna, for relay to translator station K272BW 102.3 Kodiak (tC)
IL Rockford W20K 97.5 has WROK AM, 92 kHz (tC)
KS Haysville-Wichita KXKL 105.3, tX, 67 kHz KS Wichita KKRD 107.3 drops SCS (had tX, 67)
MD Morningside WCLY 95.5 +E (Spanish or Korean), 67 kHz
MI Ann Arbor WUOM *91.7 92 kHz F (IL Agri-Visor); 67 kHz tX
MI Bay City WHNN 96.1, "Sunny-96," tF (IL Agri-Visor) 67 kHz, 92 kHz tY (similar to Multicomm)
MI Cadillac WYTW 107.1 tU (tone), 67 kHz MI Chatham WQLZ 105.1 tU (tone), 67 kHz (had tA)
MI Detroit WDET *101.9 92 kHz tY (Multicomm), in addition to 67 kHz tT
WWW 106.7 still has tX, 67 kHz
MI Jackson WJBM 94.1 (no nonID on main carrier), tZ 67 kHz, frequency shift data, very noisy MI Midland WJGN 99.7 tU—pleasant-sounding telemetry
MI Saginaw-Bay City-Midland WKCO 98.1 92

Hauser solves ZGM mystery!

kHz Muzak 1 (tR), in addition to tM, 67 kHz MI Sault Ste. Marie WYSS 99.5 tG, 67 kHz, Moody network
MN Virginia WHLB-FM 107.1 67 kHz is WHLB AM (satellite music, commercials and news); had background music
NJ Newark WFME *94.7 drops 67 kHz Spanish, now considering a 57 kHz data customer
NY Buffalo WBFO *88.7 tU (telemetry chirps)
WBEN-FM 102.5 57 kHz data, 92 kHz data (too occasional to list, telemetry)
WYRK 106.5 data, 67 kHz, no nonID on main carrier (not "K-107") [67 kHz]
NY Olean WEBF 95.7 no SCA (open carrier only)
NY Rochester WEZO 101.3 92 kHz Multicomm (tY)
OH Cleveland WZAK 93.1 tR (foreground), 67 kHz
WDMT 107.9 no SCA (had tS)
OH Cleveland Heights WRQC 92.3 no SCA (had tM)
OH Toledo WGTE-FM *91.3 music, 67 kHz, not tT (although talking book for blind may still be on parttime) [67 kHz]
WMHE 92.5 tR, 92 kHz, retaining tM, / OK Oklahoma City KEBC 94.7 no SCA/ KZBS 98.9 no SCA (had tX)
KIMY 107.7 no SCA (had tQ)
OK Poteau-Fort Smith AR KZZE 97.9 no SCA (had music)
OK Pryor-Tulsa KMYZ 104.5 tX, 67 kHz PA Erie WXXC 99.9 no SCA (had music)
WCKC 103.7 tM, 67 kHz
TX Wichita Falls KLUR 99.9 tM, 67 kHz WI Marshfield WLJY 106.5 drops 92 kHz tA, retaining 67 kHz with WTMA AM Milwaukee (tC) and Milwaukee Brewers baseball—on all the time
BC New Westminster CFMI 101.1 tX, 67 kHz ON London C1XX *106.9 tR, 67 kHz, cuts carrier between selections
ON Sault Ste. Marie CJQM 104.3 no SCS except open carrier; main channel heard simulcasting with CJWA (AM) Wawa ON; perhaps SCS active when CKCY AM is carried on CJWA; however, many times checked and no SCSounds perceived. List as tS for occasional audio, for now
ON Tillsonburg CKOT-FM 101.3 low f tU, 67 kHz
ON Toronto 97.3 new station, Robert Redmond, to have 67 kHz SCSMO, but use of it not specified
CKFM 99.9 no 67 kHz, but tE 92 kHz (Greek or Portuguese)
MONTERRAT, ZGM. Reporter Glenn Hauser traveled there and interviewed managing director Kenneth W. Lee. Glenn said the main channel is 94.4 MHz with 177,000 watts ERP from a 25 kw transmitter, and he heard their 93.8 100-watt translator on the east side of the island. Plans for future translators are "nebulous." Main channel, "Gem Radio 94 FM," is in stereo. Mr. Lee denied use of SCA, "... instead, they plan to rent decoders for such info to people who have their own satellite dishes." Rate card claims 230,000 watts, but that is probably the power in direction(s) their antenna aims. 94.4 covers points west to St. Martin, and also has a southern lobe toward Barbados, but it's normally heard only as far as northern St. Lucia. ZGM has been on the air since 15 May 1985; gets programming from Galaxy-1 satellite, but plans to do more local programming; they have a modern control room fully equipped with mikes and turntables, so this could be done at any time. Local commercials are inserted by operators rather than automation."

September, 1986

Other side of their rate card gives U.S. office: Robin Woodard, President Caribbean Communications Co., Ltd., 330 E. Kilbourne Avenue, Milwaukee WI 53202 (414) 278-8458; TWX (910) 262-3360; Telex 247350; Fax (414) 273-5580. [This information used by permission of Glenn Hauser and the Review of International Broadcasting, copyright 1986, by Glenn Hauser, Issue 110, 1986, with a complete report on AM-FM broadcasting in the Caribbean, from Glenn's recent trip, is \$1.50 and can be ordered direct from RIB, Box 490756, Fort Lauderdale FL 33348.] ZGM transmitter is on Gairaldi Hill, NW of Plymouth, Montserrat.

Virgin Islands



Gem ZGM FM 94

CT New Britain WRCH 100.5 tY (Multicomm) kHz (had music)

F Mistakes, 10th Ed. FM Atlas—and this Column!

AL Auburn WKRR 97.7, p. 144, dual city ID with Opelika, which is misspelled
AL Brewton 91.9 miles missing (is 21); WJDT [not WJBBF]
AL Haleyville WJBB-FM 92.7 p. 135/
AL Natasulga WFRCT 90.5, town misspelled, p. 91
AK College KSUA 103.9 listed as AR, p. 155; should be AK
AK Homer-Kenai-Soldotna-Kodiak KGTL 103.5, p. 155, Soldotna misspelled
AR Marshall po. 93 KZRO 104.3 (not 104.9) AR Newport KOKR 105.5 p. 158, not KKKR
CA Atherton KCEA missing from p. 128 *89.1 \$, -175' 100v [KPBX]
CA Bakersfield p. 93 *89.1 KPRX (not CA Lakeport and 95.9 KPRX, p. 148, in wrong alphabetical order
CA Le Grand KEFR p. 129 not on *89.9, is \$, 1950, 2200v [as KNOT
CA Livingston KNTD 95.9 p. 141 listed/
CO Breckenridge KSMT p. 96 remove \$
CO Burlington 104.1 p. 156 KNAB town misspelled [not 103.1t]
CO Del Norte p. 96 KALO 93.5/
CT Naugatuck p. 16 WFArt *91.5 (not 91.3) 91.3 is *91.1
FL Lakeland WCIE p. 96 listed as/
FL Melbourne 102.3 p. 153 WYRL (not WYTL) [not 102.3
FL Sarasota WAVE 102.5 p. 98/
GA Atlanta WRFQ *89.3 town misspelled
GA Cochran WVMG-FM 96.7 p. 143 town GA Mableton, p. 98, town misspelled (W290AA, 105.9)
IL Carbondale WSIU *91.9 p. 133 town "IL Elgin WJKL dual ID, p. 138, with KY Smiths Grove WBLG 107.1 p. 133 town misspelled [town misspelled
LA New Orleans WWOZ *90.7 p. 131/ WQUE 93.3, p. 103, listed as 98.5
LA West Monroe p. 34 KTJC 100.9 not 100.3 [90.9; is *91.5
ME North Windham WSJB p. 103 listed as/
MD Cambridge WCEM-FM 106.3 remove \$ p. 160 [misspelled
MD La Plata WXTX 104.1, p. 156, town/ MA Springfield WHFM 93.1 dual ID with Hartford—CT left out after Hartford
MI Highland Park WHPH missing from p. 127, *88.1, 10 w [not KSSJR
MN Collegeville KSJR *90.1 p. 130, is/
MN Fosston p. 161 KKKD (not KKKR)
MN Minneapolis-St. Paul WLOL 99.5, omitted from p. 148, is \$, 880, 5000v
MS Clarksdale p. 152, WWUN and WAD, not Clarksburg [not WLTB
MS Lexington WLTD 106.3 p. 106, /

MS Lorman WPRL p. 133 *91.7, town misspelled [KKFI, not KFFI]
 MO Kansas City p. 106, *90.1/
 MO Steelville KNSX 96.7 not on p. 143, is 640'; 500 h.v.
 MO Thayer and Maryville 99.3 in wrong alphabetical order
 NE Cozad KOCC 104.5, missing from p. 155, is KC-105, \$360, 100000v
 NJ Blairstown p. 108 WFMV missing from 106.3, is \$, 15 TX
 NV Eureka p. 108 add *to KILA 104.9t
 NV Las Vegas p. 108, KCEP *88.1 add \$
 NY Binghamton *90.5 p. 131, WHRW listed incorrectly as WHWR
 NY Canandaigua WFLC 102.3, p. 109, town missing, after Buffalo, goes to 460 h.v; 800'
 NY Rochester WXY-FM 97.9, p. 145, missing, is \$, 400, 50000 (h)
 NY Syracuse WAER *88.3 town misspelled, p. 127
 NY Utica p. 110 stations on *89.5 and *90.7 not in right order
 NC Rocky Mount p. 111, 100.7 WFMA, not WFMQ (not 105.9t)
 ND Riverdale p. 111, KBTO 101.9t
 OH Marietta p. 112, 94.3 and 98.5 stations in wrong order of frequency
 OH Wapakoneta p. 112, 92.1 WZQQ (not WZDQ) [as DR
 OK Marlow KFXI p. 134, 92.1 listed/
 OR Enterprise KWVR 92.1, p. 134, town misspelled
 PA Indiana WQMU 103.1, "Rock 103," listed as b, should be r
 PA Mercer WWIZ 103.9, p. 114, not WHIZ [not WWMR
 PA Philadelphia p. 114 WMMR/
 RI Providence WJHD *90.7 listed twice, p. 131 [misspelled
 SC Gray Court 100.5, p. 150, town/
 SC St. Andrews 102.3 WNGO listed under St. George, p. 115
 SD Aberdeen and Porcupine p. 130, *90.1 in wrong alphabetical order
 TN Fayetteville WYTM p. 116, not 106.5; is 105.5
 TN Greenville WIKQ town misspelled as "Greenville", p. 118, 139
 TN La Follette WQLA 104.9, p. 116, not WQLQ [listed as WAXI
 TN Morristown WAZI 95.9, p. 116/
 TX Big Spring KWKI 95.3 p. 140, town misspelled
 TX Denison *89.7 deletion, Aug. VUD, is KGCC, not KACU
 TX Houston KMJQ 102.1 in wrong alphabetical order; should be after Fort Worth, p. 152
 TX Marble Falls pp. 63, 117 KZEPt 106.3 (not KXZLt) [FM, add \$
 TX Whitehouse p. 148, 99.3 KEYP-/
 VT Barre p. 119, 107.1 misspelled
 VA Harrisburg WMRa missing from p. 131, *90.7, \$, 710 24500v
 WQPD 100.7 nonID p. 150; Q-101
 VA Marion WOLF-FM 102.3, p. 139, not WOD-FM [as WVPG
 WV Beckley WVPB *91.7, p. 13, listed/
 WV Milton p. 180, WAEZ 106.3 add \$
 WV Morgantown p. 22, add *91.7
 WVUW, with WVU's power increase
 WI Fort Washington 100.1, p. 121, calls missing: WGLB-FM
 WI Schofield WESD *94.7 not on p. 139, 42', 12 watts [WGRQ
 WY Casper KGRD 94.5 p. 121, listed/
 WY Gillette KWGH *91.9 p. 122, listed as 91.3 BC Chilliwick, new station with 640 watts is to be on 107.5, not 105.5, as shown in recent VUD
 AT Grande Prairie, pp. 84, 122, town

Catholic Station in Tampa Provides Pleasing Sounds

misspelled
 ON Cornwall Island CKON (not CHOM, June VUD), but one reporter says it is CKOMI On air, serving Cornwall well, with possible extra-legal status
 SA Saskatoon CFMC 95.1, missing from p. 140, is \$, 100000 v, now r
 Also, many FMaps still show maximum Class A height as 92 meters, not 100 meters.
 And one more dual-city ID:
 FL Melbourne WYRL 102.3 adds Palm Bay

Non-IDs in Use

AL Abbeville WIZB 94.3 IZB, still mono, slouli
 AZ Glendale KKFR 92.3 Fire (not strict)
 AZ Phoenix KOOL 94.5 Cool FM
 AZ Scottsdale KSLX 100.7 Classic-100
 AR Benton KAKI 107.1 (not FM-107)
 CA Pacific Grove KOCN 104.9 K-Ocean Country [sometimes "The Q"]
 CA Rohnert Park KRPO 104.9 Q-105/
 CA Sacramento KRAK-FM 105.1 KK-105
 CA Santa Rosa KBBF *89.1 Radio Cultura; Spanish-English bilingual, "also Portuguese and Punjabi (east Indian) programs on Thursday night"
 FL Venice WRAY 92.1 V-92 (no FM-92)
 GA Columbus WCGO 107.3 no nonID (no 107-Q)
 GA Forsyth WFNE 100.1 Fun-100, still mono sg
 IL Champaign WLWR 94.5 LW (strict)
 IL Paxton WPKN 104.9 no nonID
 IL Rock Island WHBF-FM 98.9 Magic 98-9 strict (r) [not a nonID]
 IL Urbana WPGU 107.1 "says calls often; IN Logansport WSAL-FM 102.3 L-102, still r lock] [not KQ-104]
 KY Campbellsville WCKQ 103.9 Q-104/
 ME Portland WWGT 97.9 Great 98, r (oldies)
 MD Ocean City WQHQ 104.7 Q-105—"They can't make up their minds. First 20-105, then QHQ FM, and now Q-105!"
 MI Munising WQXO-FM 98.3 QXO (strict), rm, still mono, but "may go stereo"
 MI Petoskey WJML-FM 98.9 99-JML (strict), mr, although says "light rock." Am I mellowing when I call it mr [middle of the road and rock music]?
 MI Saginaw WIOG 106.3 no nonID (gone is W-106) [not strict]
 MI St. Ignace WMKC 102.9 KC-103/
 MI Sault Ste. Marie WSUE 101.3 101-FM (strict)
 MN Duluth KQDS 94.9 KQ (copying the slogan for KORS-FM 92.5 Golden Valley MN); its former AM affiliate KBXT 1390 off air; second hiatus in 12 months, and this time it may be for good; no buyer for the daytime-only facility was found
 NJ Manahawkin WJRZ 100.1 Power-100
 NM Gallup KKOR 94.5 Core-FM
 NY Olean WEBF 95.7 no nonID
 ND Minot KZPR 105.3 Magic-105 [105]
 OH Mansfield WCLW-FM 105.3 CLW (not C-/
 OH Salem WQXX 105.1 no nonID
 OK Oklahoma City KIMY 107.7 Y-107
 PA Meadville WZPR 100.3 no nonID
 PA Starview WHTF 92.7 Starview-92
 SC Gray Court WSSL 100.5 Whistle-100
 TN Erwin WXIS 103.9 Upstate's Mega-Rock
 TN Gallatin WWKX 104.5 back to "Kix-104"
 TN McKenzie WKTA 106.9 K-107
 TN Oak Ridge WOKI 100.3 Hits-100
 TX Abilene KFMM 107.9 Rock-108
 TX Brownwood KISJ 104.1 Kiss-FM
 TX Fort Worth KDZL 107.5 Z-107
 TX Lubbock KFMX 94.5 94FMX (back to, from 94-Rock) [not strict]
 TX Midland KBAT 93.3 Rock-93/
 UT Salt Lake City KLTQ 93.3 K-Light
 VA Abingdon WABN 92.7 93
 WV Parkersburg WMGP 99.3 Magic-99.3, still r lock] [not rm
 ON Sarnia CJFI 99.9 no nonID, m/
 Stereo, or to be Stereo
 IL Champaign WEFT *90.1
 MO Lebanon KTKT *89.9
 MT Malta KMMR 100.1
 NY Watertown WJNY *90.9, cj
 OH Castalia WGGN 97.7
 OH Clyde WLCO 100.9 r (English)
 OH Upper Sandusky WYNT 95.9, music format unknown
 PA Bloomsburg WBUC *91.1 [strict], gr
 PA Russell WGSJ 103.1 I-103 (not/
 PA Union City WCTL 106.3 "Stereo-106" (sounded strict)
 TN Monterey WRJT 107.1 r (one reporter called it mr, another gr, so let's just settle on plain "r"), "Jet-107" (strict); ID with Crossville-Cookville
 TN Selmer WXOQ 105.5 rm, no nonID
 TX Laredo KHOO *88.1, [latin] music, with English announcements
 TX San Angelo KELI 98.7
 WY Casper KTKL 106.9
 PR Manati WNRN 96.9
 BC Vancouver CJJR 93.7, k, "JR



Country (apparently strict), ON AIR
 ON Hamilton CFMU 93.7
 ON London CHRW *94.7—music format unknown, as was carrying local ballgame when tuned in on CLOM 103.1, mr
 MEXICO Nogales, Son. XHIM 105.1, L, gives call letters

More SCS news: Bonneville said to be reducing the number of markets in which it offers data to the top 18. Said to be gone is Detroit which would have been WWWW 106.7, but WWWW still active in August with its 67 kHz SCS. Multicomm says it will not go below the top 100 markets, so watch for the disappearance of TX data from most stations outside the top 100 (except for rim-shotters). Multicomm is said to have added WAJX 104.5 Indianapolis for its 92 kHz 1Y service.

Format News

AL Huntsville WAHR 99.1, still "Radio 99" [102.3"]
 AL Opp WAMI-FM 102.3 b, "Stereo-102" [102.3"]
 AK Fairbanks KRKO-FM 95.9 r lock]
 AK Fort Greely AFR-FM *90.5 r
 AZ Prescott Valley KIHV 106.3 rm (affects 1 translator)
 DC Washington WASH 97.1 m, "Easy-97"
 FL Key West WKRY 93.5 r, Stereo? WAIL 95.5 r, making all three of Key West's commercial stations rock!
 FL Tampa WBVM *90.5 gr "from 12 noon to midnight Saturday teen disc jockeys with 100,000 watts of adolescent power. No requests for donations. No hellfire and brimstone... I enjoyed listening to it" Stereo?
 IL Morton WTAZ 102.3 talk format still/
 IL Princeton WZOE-FM 98.3 m not b
 IL Peoria WCBU *88.9 cn (classical and

FCC-FM

news), not cr
 IN Terre Haute WZZQ 107.5 (no nonID) r (contrast that with "WXRT 93.1 [Chicago], a true p[rogressive]")
 MI Cadillac WYTW 107.1 r (soft, satellite-fed), \$, "Y-107"
 MI Gaylord WZXM-FM 95.3 r, from g
 MI Houghton Lake WJCS-FM 98.5 r, no nonID [from k, \$]
 MI Newberry WBNY-FM 93.5 f, \$/
 MI Baldwinville WSEN-FM 92.1 r (oldies)
 NC Forest City WBBO 93.3 mr, says "adult contemporary," even plays some country [Classy-99"]
 OH Fremont WFRO-FM 99.1 rm, /
 OH Portsmouth WNXT-FM 99.3 r, not b
 OK Oklahoma City KOCC *88.9 r (adult contemporary), dropping it, "which has jazz fans mad"
 PA Muncy WJKR 103.9 r, "J-104," affects 1 translator (Loyalsock 92.7 off air)
 TN Gatlinburg WVTN 105.5 mr (from k)
 TN Kingsport WZXY 104.9
 TN Sevierville WMYU 102.1 adds Knoxville, mr, still "U-102"
 TX Austin KPEZ 102.3, now "classical" r, "Z-102," "unfortunately"
 TX Laredo KDYE 94.9 r
 ON Sault Ste. Marie CHAS 100.5 bc, still with nightly c music; gives a complete i.d. and then goes unannounced into "Back to the Bible" (g) program for half an hour, after which c[lassical] music resumes
 NW Hay River CKHR 107.3 r, "they're an unofficial translator of CFMI. I'm not sure if they have any local origination; it's certainly possible." Stereo?
 MEXICO Nogales, Son. XHQT 102.7 i (\$)
 Facilities Changes Granted
 AL Birmingham WDJC 93.7 307 m (100000 h.v.)
 AK Kodiak K272BW 102.3 (KPEN 101.7 Soldotna, received via SCS from KGTL-FM Homer, no stereo)
 AZ Yuma KYXI 100.9 100 m (3000 h.v.)
 AR Paragould KLQZ 107.1 1900 h.v (410')
 CA Desert Hot Springs K288DR 105.5 (from K261BW 100.1)
 CA Hemet KHVE 105.7 (from 105.5), stays Class A [3000']
 CA Los Angeles KLVE 107.5 27900 h.v/
 CA San Bernardino KVCR *91.9 adds v, 900 h.v; 1620'
 CA Santa Margarita KWSP 106.3 93 watts h.v; 1470'
 CO Pueblo KVUU 99.9 8400 h.v; directional (2000')
 CO Rocky Ford KAVI-FM 95.5 (from 95.9) [3000 h.v]
 CO Salida KVRH-FM 92.1 -655'/
 CT Bridgeport WEZN 99.9 27600 h.v (204 m); slightly reduces coverage, and presumably its outreach into New York city]
 FL Bonita Springs WLEQ 96.1 (from 95.9) 100000 h.v; 305 m
 FL Fort Walton Beach WFTW-FM 96.5 320 m (100000 h.v) [170 m]
 FL Okeechobee WLMC 103.1 3000 h.v/
 FL Tampa WNNF *88.5 nondirectional
 FL Winter Haven WPCV 97.5 300 m (100000 h.v)
 GA Carrollton WBTR 92.1 580 h.v; 635'
 GA Ellijay WLJA-FM 93.5 280' (3000 h.v)
 GA Jackson WJGA 92.1 2150 h.v; 375'

Mystery of Mirabel Unfolds

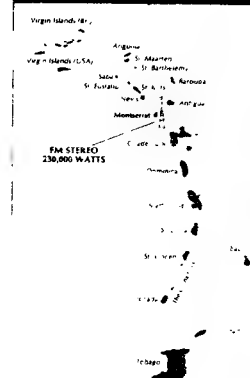
HI Wailuku KMRT *90.7 (from 88.7)
 IL Dixon WIXN-FM 101.7 adds v, 3000 h.v; 330'
 IL Tuscola WITT 93.5 150' (3000 h.v), back on air in \$, r
 LA Port Sulphur (transmitter 20 miles NW) KHAA 106.7 100000 h.v; 980'
 LA Shreveport WKWH-FM 94.5 1110'; (100000 h.v) [405 m]
 MD Frostburg WFWM *91.5 170 h.v; /
 MD Prince Frederick WMJS 92.7 1000 h.v; 172 meters
 MA Chatham 107.5 340' (50000 h.v)
 MA Falmouth WFAL 101.1 2500 h.v; 77 m
 MA Hyannis 103.1 275' (3000 h.v)
 MI South Haven WCSY 98.3 2400 h.v; 111 m [600']
 MN Duluth WUSD *92.9 100000 h.v/
 MS Meridian W21AL 92.1 has WNSL 102.3 Laurel on it, not WYKK 98.3 Quitman
 NE Lincoln KZUM *89.3 (from 89.5) 1500 h.v; 53 meters
 NV Reno KSXY 102.3 (not 101.7)
 NH Plymouth WPNH-FM 100.1 23400 h.v; 111 m [h.v (439 m)
 NY New York WNYC-FM *93.9 5400/
 NY Webster WFRW *88.1 (from 90.7)
 NC Burlington WPCM 101.1 100000 h.v; 1190', nondirectional
 NC Edenton WZBO-FM 102.3 87 m (3000 h.v) [1000 h.v; 131m
 NC Thomasville WTHP 98.3/
 OH Fredericktown WWMZ 98.3 2000 h.v; 119 m
 OK Ardmore KEBQ 96.5 330' (3000 h.v)
 OK Oklahoma City KKNB 92.5 100000 h.v; 300 meters
 KJYO 102.7 100000 h.v, directional, 300 m
 OR Klamath Falls KKRK 106.9 51000 h.v; 675' [K265- 100.9]
 OR Prineville K269KQ 101.7 (from/
 PA Waynesboro WAYZ-FM 101.5 230' (50000 h.v, directional)
 RI Middletown WOTB 100.3 (from 107.1)
 SC Charleston WXTX 96.9 540 m (100000 h.v) [3000 h.v]
 SC Mullins WCIG 107.1 330' /
 TX Canyon KAKS-FM 107.9 413 m, directional (100000 h.v)
 TX Copperas Cove KOOV 103.1 760 h.v; 192 m [100000 h.v]
 TX Corsicana KAND-FM 107.9 840' /
 TX Killeen KIXS 93.3 1950' (100000h.v)
 TX Lamesa KLTG 100.3 1010' (100000h.v)
 TX Lubbock 106.3 300' (3000 h.v)
 TX San Marcos K244BR 96.7 has KHFI 98.3 Austin TX on it (not KXLS-FM 100.3 San Antonio)
 TX Slaton KJAK 92.9 (from 92.7)
 TX Victoria KVIC 95.1 100000 h.v (450')
 UT Logan BLQ-FM 92.9 50000 h.v (155')
 UT St. George K240R 95.9 (from K265AH 100.9)
 UT Washington K206AM *89.1 (from K208AI 89.5)
 VA Orange WVJZ 96.7 3000 h.v (95 m)
 WA Manson K276CX 103.1 (from K265AX 100.9)
 WA North Spokane K232CF 94.3 (from K265BC 100.9)
 WV Romney WPBB 100.1 205 h.v; 388 meters [100000 h.v]
 WI Tomah WVCX 98.9 990' /
 BC Vancouver CKKS 96.9 35000 h.v (762 m) [137 m]
 ON Chatham CBEE 88.1 1430 h.v/
 ON Kingston CFRC-FM *101.9 3000 watts, new announced height (from 91.9, but still on 91.9 in Aug., 1986)
 ON Sarnia CBEG 90.3 1800 h.v

September, 1986

(114 m); reduces coverages
 PO Carleton CIEU 94.9 25000 h.v (422 m)
 PO Mirabel CULA 104.9 (from Lachute); "Mirabel is located 22 km east of Lachute. Population is 14,000, formerly called Ste-Scholastique, the town was formed when Montreal's second international airport was built there in the 70s. Unfortunately, I failed to note if the signal is stereo. Arggh!"

READERS' REPORTS

Glenn Hauser kindly sent a full report on the ZGid Montserrat situation. (See VUD June pp. 33-34). The story on ZGM is found above under "SCS." His Review of International Broadcasting, issue 110, includes info on other FM (and AM) stations of the Caribbean.

Rate Card #2
Effective January 1, 1986

From the rate card, pictured above you'll see that the station intends to cover a string of islands, with bumper stickers mentioning the various places they cover, such as Virgin Islands, Anguilla, Montserrat. Glenn cautions that the supply of that issue may be limited so if you're interested, order a copy of the RIB—like rat now! (See SCS column for price and ordering address.)

"I have been lobbying a couple of my favorite AM talk stations, WJNO 1230 Palm Beach and WINZ 940 Miami, both of which have reception problems in my area, to put AM audio on FM subcarriers. No reply. If and when this happens I'll certainly be getting a converter. . . . From the Atlas, I can't see anything within normal range I'd want to listen to on SCA, except perhaps WLRN's talking book service. Well, a west coast [of FL—ed.] translator for WTMJ (93.1 Miami) would certainly make sense but I believe last year I actually called the station and inquired about the listed translators in Palm Beach and they told me they were not going to carry thru with those," writes Glenn. Therefore based on what Glenn writes, I am inclined to retain the WTMJ translators listed for Vero

Beach and Jupiter (but will watch the NTIS, datalist for any disappearance of those), and delete the following:

DELETION

FL Palm Beach W269AM 101.7
The SC status of WXEL 90.7 and WEAT-FM 104.5, both West Palm Beach, are questions Glenn has, and to which I'd like the answer; and he wonders why, in Dallas, KCBT *89.3 can't simply raise power on its own channel, rather than trying to take over KNON's 90.9 for 100 kw. Glenn sent along a newspaper supplement on WBVM, "Blessed Voice of Mary," *90.5 Tampa. See also "Format News," above, for somebody else's pleased reaction to this station. I want to thank Glenn for mentioning the "FM Atlas" on his excellent "World of Radio" show on WRNO shortwave New Orleans.

The status of WZLI Toccoa GA is questioned by Nick Lombardi. He read in this column some time ago that the station would be increasing its height, and believes they are in the 1200-1500' range. Yet the best data I have seen indicate this station as still 285'. He suggested that I list the new SCS categories, as I've done this month, with the possibility that still further refinements may come about in that list. He proposes a separate "Part III" to my FM Atlas entitled "Translators by Originating Station," which would look something like:

GA Atlanta	WPCH
94.3 W232AC	Opelika AL
96.7 W244BD	Columbus GA
103.9 W280AL	Butler GA
105.5 W288AH	La Grange GA
GA Toccoa Falls	WRAF 90.9
105.5 W288BA	Lilburn GA

The above are examples only, and not the real call numbers. I have not carefully formatted the above, but I tried to get it to do what Nick feels is important: "For the call letters of the primary to begin in the same column as the city of its translator(s)—this aids clarity and readability."

Nick sent along articles on Atlanta's radio ratings, showing only one AM station (WSB) among the top ten, and WSB was No. 7. Top honors were shared by beautiful music station WPCB 94.9 and WKLS 96.1, which represent opposite formats.

Recently heard via skip was 100.7 Tampa FL, which Roger Winsor says was still using the W-101, W101 call, and not WUSA-FM. "Hope you caught the 6-11 Es to the west. Many years now 6-11 is a great skip day, almost predictable. WLNK 106.3 Lansing IL is on a new tower located by their old one, about 328'; self-supporting, like WKIO Urbana, really an attractive tower." Roger sent a picture of the WKIO tower, and it is attractive, if towers are what turn you on!

From the public broadcasting paper "Current" it is news that WGBH-TV Boston will test its second audio channel with graphic descriptions of the public TV shows it is transmitting.



WGBH "describer" Jody Steiner at work.

The descriptions are for the blind, but not all blind agree with the concept that a separate audio track need be devised. Dave Andrews, general manager of CRIS, Chicago (on WBZ 91.5's SCS), who I met at the NFB convention in Kansas City, and blind himself, alleges "95 percent of what goes on TV a blind person can understand. I don't find it necessary," and worries that DVS (descriptive video service) "creates the idea that we need special services to watch TV."

With some Mexico mysteries from 8-4 is Jim Pizzi: 90.1 Cancun QR? "Esterero wow," mono with English rock; 96.5 Cancun? "Esterero meta," \$, with Spanish soft rock; 99.7 and 99.3 104.5 Yucatan or QR? \$, "very tiny sound," some rock, including tape of live concert; 105.9 Cancun XHCU heard with the same program, so let's call:

FORMAT NEWS

MEXICO Cancun QR XHCUN 105.9 \$, Stereo He also heard a mono station on 107.5, I, in Cancun QR? "Can estereo," also "Grand estereo." Are these monaural Mexican stations masquerading as stereo, or stereo stations with defective stereo generators?

WIAV Cape Charles-Virginia Beach began operations July 28. "You're listening to the waves. WIAV Cape Charles-Virginia Beach," causing Norval Pagenhardt, who lives near this new stereo station, to say, "There goes my reception of WYLT-FM Raleigh on 96.1 mHz!"

Also lamenting on possible lost reception opportunities is Danny Buntin: "I was disappointed to learn in your column that the three Tulsa FMs moving to a 1320' tower will be closer to me. I had hoped they would join the strong tendency lately for Tulsa broadcasters to move SE of Tulsa. After TV 6 moved out that way Stillwater was considering dropping it because its picture quality became noticeably snowier. Now when those Tulsa FMs make their move their signal strengths in Stillwater will be about equal or better than that from any of the Oklahoma City FMs. What more trouble awaits me in the hobby?"

Rest in peace department: "KERG 104.7 Gabrierville CA, a GREAT station but, sigh, it went bankrupt and off in April! Find something good and 'poof,' gone," laments Arthur W. Peterson.

W. R. McIntosh sent several clippings, which I'll summarize. One is that a KSDO-FM 102.9 San Diego disc jockey, Randy Miller, parodied the song, "They'll be coming across the border when they come . . . cause there is no law and order, they'll be coming across the border when they come . . ." to call attention to illegal aliens, but Latino groups charge that the ditty and station "used their creative license to make fun of a group of people," and the song withdrawn after two days on the air and complaints to the FCC. And, from last month, the L. A. county board decided against designating beaches as KIIS territory. Now any radio station can freely romp upon the beaches! And this is for real: comedy radio station KMDY (AM) in Thousand Oaks wants to buy KNJO (FM) 92.7. I wonder if this funny business might make KNJO the nation's first FM comedy station, and a new format, "h" for hal in the L. A. ratings, KABC talkradio (AM) is back to No. 1, with KIIS, despite losing the beaches, No. 3, flanking KPWR 105.9, which recorded a 36% audience increase.

"Entertainer" magazine, a free guide for tourists and people interested in what's going on, is running a radio station dial guide I prepared for the Duluth area, and with its expansion wants similar info for the Minneapolis-St. Paul area, which John Ebeling

is helping compile.

John Baumgarten noticed my comment in the VUD that I could not contact WYTE 96.7 Whiting WI because the town lacks a ZIP Code. "WYTE is located between Whiting and Plover WI, but both are small towns with few businesses to advertise. Most advertising comes from nearby Stevens Point. . . . They give their address as P. O. Box 956 Stevens Point WI 54481. I am quite pleased with the old Zenith Trans-Oceanic I purchased from you a couple of months ago; it is still a very good radio and must have been 'quite something' when new in 1964. I am wondering what kind of receiver(s) and antenna system you have that enable you to receive all the stations you do." [Nothing special John, just an old (1968-vintage) Fisher receiver and a modest FM yagi antenna atop a rather short tower with a rotator. Many other DXers in the club have much better equipment—B.e.]

At the convention I picked up a handout titled, "Here's 103.1 on your FM dial," describing Jerry Turro's W276AQ Fort Lee NJ, and how this station could be squeezed in between New York City's 102.7 and 103.5. It seemed both stations were being sold, and the new owners did not want to jeopardize the sale by protesting this translator to the FCC. Turro hopes "low-power FM" will come about and his station can originate programming and sell more time, other than the 30' per hour donor announcements now permitted. Ostensibly, the translator is for relaying WPST 97.5 Trenton, but I think Turro is mostly interested in it for getting WPST's 67 kHz ethnic SCS service into the New York area. Something else I picked up is this 1960 CFRB Toronto logo with little "CFRB-FM" letters.

CFRB 1010

CFRB-FM 99.9 MCS

CFRB-FM now CKFM. Now, where's CFRX?

Writer Harry Maynard says he no longer does his "Men of Hi Fi" show on WNYC FM New York, but he comments on my mentioning him in "Radio World": "I still think AM radio has a place in this world—for talk radio, long distance radio, in the car (at times)!" He is a Board Member of the

Edwin K. Armstrong
ARMSTRONG MEMORIAL RESEARCH FOUNDATION

Armstrong Memorial Research Foundation.

I wrote letters to several area senators and representatives in opposition to the Electronic Privacy Act, especially to its proposed provision to impose a \$10,000 fine and year in jail for mere passive listening to FM-SCS and have gotten a few responses. For example Rep. Bill Frenzel said: "It is hard to determine if the Senate will have time to complete action on this bill before the end of the 99th Congress. The schedule is already tight, and the legislative days remaining are relatively few. In the event that the bill be acted on in the Senate, and brought back to the House for consideration, your counsel will be helpful to me." Sen. Rudy Boschwitz noted that on June 23 the House passed its version of the bill unanimously, but "Here in the Senate S 2575 is pending in the Judiciary Committee. Although I'm not a member, I will be sure to pass your views to my colleagues who are and will keep them in mind should the matter

come before the full Senate." And Sen. Charles McC Mathias, Jr., sent just a form summary as to why he felt the bill is necessary.

And after the Jamestown convention, I

made it to the Antique Wireless Museum in East Bloomfield NY, just before closing. I recommend touring the facility and seeing the historic FM receivers there, especially, and some of the stuff Armstrong used. I joined

the organization, and I think Dave Niemann is also a member. The people there, mostly hams, seemed amazed that we WTDFAers manage to get DX at TV and FM frequencies!

Elving's FM Format Taxonomy System Assailed by Nolan

Comes Peter A. Nolan, publisher of the respected broadcasting newsletter, *The M Street Journal*, with a discussion on radio station formatology, which he said I started! Pete is also a contributor to *RadioPhiles*, but says "for the time being I'll just comment in letter rather than starting a dialogue through the *RadioPhiles* column," but he expects in an upcoming issue for there to be an extensive discussion of radio station program formats. His comments follow.

I count reasons in at least three different levels as to why my format classifications are more exhaustive (and exhausting) than yours. At the broadest level, it's merely a personal preference. There's no reason either of our systems is better or worse than simply explaining that all—well, —most radio stations broadcast words and music, in different combinations. In theory, if we can pinpoint the ratio of words to music on each station we'll have a format system that meets your four criteria.

More pragmatically, my audience is very different from your audience. Mine is more wholly comprised of broadcasters and would-be broadcasters, especially programmers, and hence I need to use format classifications that THEY recognize and understand. If you've read *RadioPhiles* you know that I've railed repeatedly at radio's seeming inability to coin format terms recognizable to the general public. "Adult contemporary," "contemporary hit radio," et al, are, I'm sure you'll agree, absolutely meaningless gibberish. For a publication aimed at the general public or even DX hobbyists (FM Atlas, VUD) I don't blame you for staying away from that vocabulary. But, please realize that terms like "rock" and "MOR" are equally meaningless to a broadcaster—not because they mean nothing, but because they mean too many things. There are at least six distinct music formats (leaving presentational elements out of it) that might call themselves "MOR," anything from easy listening to a very uptempo AC. That's not one format, and the term tells me very little about the station. Similarly, I've heard KJYY here (Format 41) described by listeners as a "rock" station. I've heard KLOL (loud, abrasive album rock) called the same thing. The two stations would be horrified at being lumped into the same category. They have almost nothing in common beyond playing music on the FM band in the same city—not the same music, not the same advertisers, not the same listeners!

Finally, while your four criteria (which you've repeated in a number of different places over the years, as though they have the invariability of Laws of Thermodynamics) are fine in theory, your format system—ANY format system—fails on each count.

1. Mutually exclusive? A fine goal, but in practice impossible, because formats themselves overlap, distinctions blur, and without one format description for each of 10,000 stations, there's no way some stations with just ONE format can be pigeonholed into one format or music category (let alone stations that block programs). Limiting ourselves to descriptions that contain negligible overlap leaves us with no adequate means to describe stations that don't fit our prototypes. In major markets (which are responsible for most of the variations on basic formats) MOST stations don't fit our prototypes—or the prototype (e.g., "rock") is so vague that it lumps together formats that actually ARE mutually exclusive.

2. Exhaustive? My system is closer to it, but only because I've got some 30 format tags, and you have about 10. Allowing that I need a few more because most of the truly fringe formats (e.g., comedy) are on AM stations you don't need to mess with, most of those thirty apply to a good number of stations, and I rarely need to combine descriptions to describe a station's format. I added "soft AC" reluctantly (I don't like adding more formats, either!) because the format it described applies now to several hundred stations, many of whom are now using the label themselves, and because it otherwise required a combination of formats to be described adequately. You combine formats regularly, and still have very dissimilar stations lumped together.

3. Stand the test of time? Wonderful! What's the test? In major market radio a year can be an eternity. KIIS-FM in Los Angeles was widely regarded as a monolithic dynasty because it was the top station in town for three whole years, and a tradition because it had had the same format for four whole years (while several competitors came and went, and its own AM station changed format four times). The first satellite radio format signed on five years ago. On the other hand, punk rock has been around for 10 years now, and still isn't a viable, separate radio format. Incidentally, the station that just overtook KIIS-FM in Los Angeles would have been called a "disco" station 10 years ago—the name has changed, and the format has indeed survived. With the value of broadcast properties continuing to increase exponentially, the pressure for finding new and successful format variants in competitive markets will increase—and so will the experiments. Those experiments need to be described now, because they're in existence now; my audience can't afford to wait two or 10 years to determine whether they'll persevere, mutate further, or die out.

4. Readily communicable among various groups of people? A lovely, but impossible, concept, until those groups start speaking similar languages. I really think the main difference in our format systems is the audiences we're designing them for. I agree that broadcasters use a lot of terms the general public doesn't (and doesn't need to) understand—that's true of almost any industry isn't it? The vocabulary becomes more specialized among people who work on a product every day than among the product's consumers. This point becomes even more confused when you realize that the same word can mean different things to different people. The term "rock," for instance, to ANY teenager who now listens to the radio, refers EXCLUSIVELY to hard album rock stations. KQRS-FM is rock to them—WLOL is not (and WLTE doesn't exist!). WLTE listeners think a Kenny Rogers song is country—KKEY listeners think that same song is pop (or even rock). "Middle of the road" refers to music that nobody knows what to call—usually meaning music they're not familiar with. Then it's pop, or country, or jazz, or rock, or easy listening, or show tunes, or whatever, and of course, a song can change categories depending on whether the person LIKES it or not. A mess, n'est ce pas? That's more than enough. Comments welcome, hi. (As though I could stop them!)

Pete raises some valid points, and I am happy to have offered the four criteria for radio programming ordering, if for no other reason than to have elicited such a reasoned response. I have to agree that my system is probably tailored better for my market and his for his market, but I do oppose the seemingly endless progression of radio formats without any real change in the programming. When is somebody going to come along and give me the excuse to add to my 10 categories, by offering something like an all march music format or an all Christmas-music schedule? We have Tannenbaum Shops open the year 'round, so why not Christmas music the entire year? Pete mentions disco staying around, even though it is no longer called that, and I can point to polka music, where there is a large body of recorded sound, and which has probably millions of adherents in the United States, and has been available for decades, without a single FM radio station specializing therein. My concern is not the nipping details of "rock" or "MOR" programming but in the broadcasters' timidity in not trying to program anything really different musically, and sticking with it.

Some comments from the July VUD column: Pete says KVKI 96.5 Shreveport LA has been adult contemporary since it was sold and changed calls from KEPT about two years ago. "They steal everything—logos, contests, bumper stickers, and format—from KVKI-FM 103.7 Dallas!" The 106.3 in Clewiston FL may be WAFB now, but will become WAFB-CP as soon as their AM CP signs on! (Why anyone would build an AM in south Florida on 590 kHz, with all the potential for Cuban interference, is beyond me). Finally, in the Spanish pronunciation dept., KBNA-FM 97.5 El Paso is K-Buena (SS for "good"), pronounced "Bway-na"; the way you listed it looked like "Bwaw-na", which might confuse

someone.

Therefore, based on what Pete writes, list this change as official:

CALL LETTERS

Minnesota's George Sherman is considering a new tuner, and is aware of the good review of the Onkyo T-9090 (at about \$600 list). He's also impressed with the specifications for the Panasonic STG50 tuner, at only \$250 list, with a claimed 25 db adjacent channel selectivity in "Super Narrow." It has 39 presets and digital signal strength readout in 2 db steps to 54 db. Yamaha's T-85 tuner (\$449 list) is said to have selectable tuning steps of 100 kHz and 10 kHz and four selectivity positions. The 10 kHz setting must be for AM, while the 100 kHz would be FM. The Carver TX-11 tuner claims adjacent channel selectivity of 38 db, but its list price is about \$599. He wonders if anyone in WTFDA has more information on any of these tuners. Locally, he's discovered a store, Audio Innovations, 7010 France Ave. South, Edina MN, that has 15 or 20 different tuners, "the most I've seen in one store, and they have specifications on most."

Pete Nordgren, at WXPB 91.7 Rhinelander, says translators at Wausau WI and Ironwood MI should be on the air later this year, while "Antigo and Iron Mountain are next."

Former Northwest Territories resident William R. Hepburn writes from Toronto: "Pirate-90" 89.9 is back on the air. Phone no. given frequently. I called and told DJ that his station was having a real battle just to keep on top of CBE-FM 89.9 Windsor—225 miles away, but a semi-regular. "Pirate-90" signal less than 10 db only 3 miles away using a dipole taped to 2nd floor window. DJ "dedicated" an ID. He says they're 10 watts mobile from downtown Toronto. Location, however, is given as "Toronto Island." Schedule sporadic but at least three days a week, mono signal. . . . Plans to change frequency when CIUT 89.5 comes on the air. . . . Regarding the map of northern Canada—I mainly made it up to help you with the next FM Atlas (I didn't realize you would print it—the writing was kind of small), oh well! One station I didn't mark on the map is a translator of KMBR Kansas City on 108.25 in Hall Beach, N.W.T. This is definitely an odd-ball! It's operated by the USAF Dewline station (in the VOR navigation band, hi). Mono signal."

Ralph Strobel, who "hasn't listened to AM radio in years," says WOKZ 104.9 Muncie bought AM 990 WERK, which is supposed to be [gospel] rock.

Another letter from Pete Nolan includes solutions to the Nashua 106.3 NH facility problem. The old license was revoked, but a new permanent license holder has been named, and its calls to be assigned soon. "From the credits for the July column, I can solve the mystery of the 'I (heart) FM 1960 sticker.' FM 1960 is a road and a section of town on the north side of Houston. In Texas, the county roads are 'F-M' (Farm to Market) roads—hence, route numbers in the Houston area include FM 1960, FM 149, FM 525, etc. As a footnote, this is why almost NO FM stations in Texas use slogans like 'FM-100', 'FM-103', etc.—it sounds too much like a route number or a sponsor location. Instead, the stations will refer to themselves as '100-FM', etc."

Enclosed was an article on KLEF 92.1 Seabrook's translator on the NW edge of downtown Houston and designed to serve North Houston, "so there's almost no coverage in the actual downtown area. . . . One then has to wonder whether the translator is of any use at all in increasing coverage, or is just a ploy to be able to point to for the benefit of advertisers who are concerned about KLEF's coverage and don't know any better."

Traveling north, Frank Merrill says KDCZ 93.5 Delta AK still not on the air, and Dawson City YT 92.1 not on yet. He's heard it will either be a CKRW 610 mono translator, and/or will be ethnic, "two different groups may be involved." Other information on stations he discovered at the beginning of this column. On his way to AK, he found KQSK 97.5 Chadrone NE running mono and KDDR-FM Oakes ND in mono. Translators in Lower Brule SD ("106.3) and Pierre 97.7 (KRCS) not on, nor is KREH 99.3 Sisseton SD. The call letters—less CBC station in Cranberry Portage MB, 88.9, is on the air, and he heard a pirate in The Pas MB on 102.1 with the Moody Bible Network, "probably 24 hours."

David Sinclair sent word on a recent CRTC decision giving the CKO—news stations of Canada an 18-month licence renewal. That will give it time to improve its local news operations and put unbuilt stations on the air in Saint John,

FL Clewiston 106.3 WAFC-FM (from WAFC-FM)

St. John's, Winnipeg and Regina; otherwise, the network may cease operation by April 1, 1988. Dave says "I continue to enjoy reading your column; and I realize that this is a lot of work for you."

About my July column, Keith D. Pugh noticed the mention of WKIT 102.5 Hendersonville NC improving its facilities and thinks they are going up in height, not power, as they are already 100 kw. "I hadn't noticed WKIT being off the air until the July VUD arrived. They have a weak signal unless I turn my antenna at them." With Canadian deregulation, he's afraid there will be so many stations there that I'll have to print two volumes. But Walter Patton, who supplied much of the Canada news this month, is correct in noting that not much technical information is being released about new Canada FM applications and grants, so if the source of information dries up (or becomes meaningless by its vagueness) I won't have that much new to list from Canada.

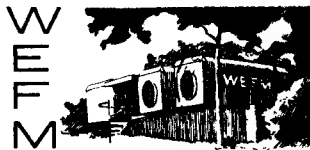
WDET #101.9 Detroit adding some classical music to mid-day hours, but not enough yet to warrant a format change for them, according to news sent by Paul L. Gaines. A nice card came from Toney Stubbs, "To all those fine people who take the time to make the FM Atlas worth publishing, your customer in the Bahamas."

Oldtimers in the hobby may be wondering along with Larry Deming: "Do you know where Harold Tanner is today? He was the manager and owner of WLDN in Detroit at 95.5 MHz, although his studio and transmitters were located in suburban Oak Park. Mr. Tanner, like you, was a great booster of FM radio and did lecturing and promoting of FM. His studio-transmitter building in Oak Park MI was a beautiful colonial style architecture. When WCZY took over they razed WLDN's building and replaced it with a larger two-story building." [I recall, from the late '50s or early '60s, getting a clipping from Detroit with Mr. Tanner's picture, in front of some of WLDN's equipment. His whereabouts would be of interest.]

Supplying several nonIDs and formats is Matt Sittel who enjoys the new mapping of Canada, and hopes I can do the same for Mexico, but wishes I'd use larger print for the states in Part I of the Station Directory. He's a fairly new member of the WTFDA. Also enjoying the Atlas is Tim McVey who has helped make the data for his region of the country "amazingly accurate!"

I am glad you finally were able to recognize that Canada exists and include the maps. This will be very helpful in DX. The maps are superb and readable, but I ought to send you a letter-bomb for screwing up MD—DE-WV almost to the point of unviability! I don't understand the reason for this at all! Please repair this for Edition 11." He points out that, so far, the only translators on the air in Tennessee are the ones relaying WMBN 88.9 Chattanooga and the WEZK translator in Kodak TN. He says KABF 88.3 Little Rock AR uses stereo sporadically, as does WDNX 89.1 in Olivehill TN. Noted also: KIRK 103.7 in Lebanon MO was still using "K-Jel" in June. KHLS in Blytheville AR still refuses to move to 96.3 after four or five years. I don't think they like you! Tim began by saying "here is a couple of FM changes for your amazing information clearinghouse!"

Supplying some of the FM mistakes for the 10th edition FM Atlas and Station Directory was Wendell Ford. The station



1903 SPRINGLAND AVENUE
MICHIGAN CITY, IND. 46360-2699

where he works, he claims, is not listed on p. 45 of the maps—WEFM 98.9 Michigan City IN, apparently bumped by 102.3 WLPZ New Carlisle IN, "a station that is not on the air yet." It's true WEFM was bumped from the main map, but appears in the larger insert map of NW IN, p. 44.

Edmonton's Deane D. McIntyre says a local real estate organization is using low-power FM transmitters in order to sell houses, "similar to your operation described in the VUD a few months ago," and he sent information from QST describing the Electronic Privacy Act. "We in Canada complain about over-regulation by the CRTC, but at least anyone is free to listen to SCA in Canada. Let's hope it remains that way in the U.S.A. . . ."

"Despite references to AM as 'antique modulation', it is the only form of radio (excluding shortwaves) available in much of the Canadian west. Excluding CBC and CKUA relay stations, the number of FM stations in Alberta outside of Edmonton and Calgary can be counted on the fingers of one hand; a similar situation exists in Saskatchewan and Manitoba: poor FM coverage of rural areas."

"Due to the high conductance of the soils of these three provinces, the coverage (daytime) of a 50-kw AM station has to be heard to be believed. CBK 540 Regina is easily received here in Edmonton, day and night, and the daytime range of the Edmonton 50-kw stations reaches as far north as Hay River N.W.T., a distance of 1,000 km, as I verified myself last summer. To give another example, I recently returned from a trip to St. Paul, a town about 120 miles NE of Edmonton. A typical portable radio is not capable of receiving a single FM station in this hilly area, yet the Edmonton, Calgary and Regina stations (50 kw) came in well; the only local station is a 1-kw AM station. Thus, it seems that AM still has an important role to play in this part of Canada until FM becomes more widespread in the rural west. In the east, however, i.e., Toronto, FM seems to be slowly killing AM, as opposed to Saskatchewan, where AM still has 88% of the radio audience."

Deane comments on the transformation of CJAX to CKNG 92.5 Edmonton, with a strict nonID, "KING-FM." This "despite the fact that Seattle's KING-FM call is, of course, the same; have never heard CKNG call used on the air. The format of the station has changed from k to r; CKNG lured several DJs away from r station CHED 630 kHz, which for many years has been the most popular station in the Edmonton market. CJAX had been in 11th place in the local market, competing with k stations CISN 103.9 and CFCW 790 kHz. Effect of format change on market ratings of CKNG has yet to be determined, but it could hardly get much worse. No facilities change."

A former undergraduate professor, Dr. Robert Haakenson, who heard a tape of me on an interview program recently carried on KUMD #103.3 Duluth, about its beginnings 30 years ago, writes: "Are you fully credited for your vision regarding frequency modulation? I recall how we twitted you for your unshakeable faith. Your predictions have more than materialized."

Another reader, Gus Mancuso, finds my FM Atlas listing of FM station classes (A, B-1, C-2, etc.) confusing. "As it is now all I can see is that some frequencies there is a 3,000 watt limit while all others are 100,000. What we need to know is the class of the

frequency." [Classes of frequencies are given in Part II of the Station Directory; all channels not listed as "A" or "Educational" are for Class B (1) and Class C (1, 2) stations.] "The maps give limits in meters, the other in feet," and he wonders about the relationship to coverage of various powers and heights. I am metrifying (?) my data, and everything will be in km and m in time. This might eliminate some confusion. Meantime, I offer the FM coverage curves for \$2 to make it possible for you to do your own station coverage calculations. Includes instructions.

"Also, on subcarriers, I don't understand the 67 and 92 kHz business," apparently confusing the 67 and 92 with station frequencies. Those are in kiloHertz, while the frequencies are in megaHertz. Thus, going up 92 kHz in frequency on one station still keeps you within the bandwidth of that station; subcarrier broadcasting is only a way to make use of the wide channel that FM broadcast stations have. Each station can have a 19 kHz stereo pilot, a 67 kHz subcarrier and a 92 kHz subcarrier. Like stereo, subcarrier FM (SCS) requires special equipment to pick it up.

Contributors

Robert Baker, Humboldt IA; John Baumgarten, Tomah WI; Waldo F. Bishop, Tallahassee FL; Rudy Boschwitz, Washington DC; Danny Buntin, Stillwater OK; Larry Deming, Cadillac MI; Bill Frenzi, Washington DC; Paul L. Gaines, Detroit MI; Robert Haakenson, Philadelphia PA; Stanley P. Haupt, Lehigh-ton PA (who thinks Philadelphia stations on 104.5 and 106.1 may have dropped their SCS services; can anybody check?); Also contributing:

Glenn Hauser, Fort Lauderdale FL; W. R. Hepburn, Toronto ON; Clarke Ingram, KZZP Mesa AZ (who sent tapes of the three Nogales FM stations); Nick Lombardi, Atlanta GA; Gus Mancuso, Hyattsville MD; Deane D. McIntyre, Dept. of Chemistry, U. of Alberta, Edmonton AB; Charles Mc. Mathias, Jr., Washington DC; Harry Maynard, Westport CT; W. R. McIntosh, Granada Hills CA; Frank Merrill, Macomb IL; Dave Nieman, Akron NY; Peter A. Nolan, Houston TX; Bill Nollman, Borah CT; Pete Nordgren, Lake Tomahawk WI; Fred Nordquist, Clay NY; Norval Pagenhardt, Scotland MD; Walter Patton, Willowdale ON; Arthur W. Peterson, Richmond CA; Jim Pizzi, Lovington NM; Tom Preston, WYSD, Yellow Springs OH; Keith D. Pugh, New Hope AL; Richard and Franklin Reese, Jersey Shore PA; Michael R. Roehm, Garret IN (who says WIFF 105.5 Auburn IN plays Christian rock 2200 to midnight daily); George B. Sherman, Apple Valley MN; David Sinclair, Vancouver BC; M. C. Sittel, Kingsport TN; Lee K. Smith, Jr., Frederick MD; Ralph Strobel, Muncie IN; Toney Stubbs, BAHAMAS; Art Thompson, WFME, Newark NJ; C. H. Tomlinson, Austin TX; Roger Winsor, Champaign IL; Larry Wood, R. C. Crisler & Co., Inc., Cincinnati OH (who thinks the Atlas is a "fine publication"); John Zondlo, Oklahoma City OK. John says "KMCL 104.1 (ex-KOFM) running Transstar 41. Had applied for KOMJ, but Swanson Broadcasting said it was too much like their KQMJ (Henryetta-Tulsa) and the courts agreed. Signals of the two stations overlap a bit, since KQMJ's tower is in Mounds OK."

I also thank the people I saw at the convention for FM station information they provided in person, and some of the data in this column came from the traveling Baruch L. Vine, 731ly, Also: Wendell Ford, Michigan City IN



PHOTO-NEWS

David J. Nieman
12284 Nice Road
Akron, NY 14001-9529

September 1986

As promised in the August edition of Photo-News, east Tennessee's E-skip king, Matt Sittel - Kingsport would share more of his DX catches with us. Matt reports, he has a new local UHF channel on the air. So keep an eye on ch 39 for WETO which is on 24 hours a day.



WETO-39
Greenville, TN
on 24 hrs. with "All Night
Country" weeknights
0030 to 0600
(rec'd 6/18/86) ms 1



KOET-3
Fairfax, OK
742 mile E-skip
seen May 10, 1986
(rec'd 6/18/86) at 0930 EDT ms 2



KDUH-4
Scottsbluff, NE
1206 mile E-skip
seen May 17, 1986
at 2030 EDT
(rec'd 6/18/86) ms 3

Matt's east Tennessee photo file continues....



KAMR-4
Amarillo, TX
1116 mile E-skip
seen May 24, 1986
at 2130 EDT
(rec'd 6/18/86) ms 4



KENW-3
Portales, NM
1206 mile E-skip
seen June 7, 1986
at 1100 EDT

73's and great DXing,

Matt Sittel
Matt Sittel

Well I hope everyone who made it to Jamestown, NY for the WJFPA convention had a great time I know I did!! A BIG THANKS goes out to host Mike Lapinski and his wife for having us



I never thought I'd see this one because - WJHF Rochester is only 42 miles away and in the same direction. I hope you'll be able to see it as the screened print can't do dark.

your editor

WINNE-31
Hartford VT-Hanover NH
320 mile tropo
seen June 14, 1986
at 0900 EDT

djn 1

SATELLITE NEWS

NEW ON THE AIR

American Telemedia Network on SBS-4 (K-Band) xpr 11. This is a full time service provided to shopping malls consisting of rock videos and promos for cable services and current feature films playing at theatres in the malls. Hosted by female announcers and one can apparently punch keys on some kind of device near the screen to find out current show times, etc. of the films playing in the malls' cinemas. (please see notes in randums later)

OTHERNESS

Nustar Network - easy come - easy go - has mostly been off late July and early August. Perhaps the upcoming Fox Network took business from it. No satellite transponders known yet for this new commercial network due to debut in the Fall.

Weather Channel now on Satcom 3 - xpr 19 causing move of C-SPAN II to Satcom IV - xpr 8. (see randums later)

SATELLITE OF THE MONTH

TELSTAR 303 125°W - Polarity - Odds Vertical/Evens Horizontal

TRANSPONDER/SERVICES CARRIED/SUBCARRIERS etc.

- | | | |
|----|------------------|---|
| 1 | Country Music TV | - stereo at 5.58/5.76 |
| 2 | SelectTV | - note - has been testing M/A Com some AM's; will be fully encoded later in the year... |
| 18 | American Extasy | - Encoded in the evenings - many sub-carriers. Safeway Markets in house music and promotions on 5 different carriers - mono |
| | | - FM America/KSAT/USA Radio Net, etc. |

- 22 KTVT - Ch 11 -
Dallas, Texas Superstation - None noted at this time, but several carriers have been noted.

----- Telstar Channels may eventually be on this bird in the future. This will be an encrypted first run pay-per-view movie service which has been given a great deal of hype recently. Since Telstar 303 has mostly telephone and other services carried on most of its transponders it is possible that the 4 services currently carried will have to move to another bird.

Telstar Channels will use 3 transponders.

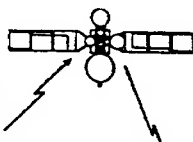
randums

Several items to be mentioned here. First - a few term definitions.

xpr - transponder which is similar to the channel on regular television

polarity - is a transmission system (I'm not technically oriented, but I'll try to explain this) that tries to prevent co-channel interference from adjoining signal transmissions. Some sats are Odd channels using Vertical and Even channels using Horizontal polarity. Many sats use Odd/Horizontal and Even/Vertical.

Dxing satellites is not simply a line of sight thing. First - unlike regular TV, that line of sight must be totally unobstructed - no trees or tree branches or leaves, etc. Power levels of the Satellites vary as do the power levels of the individual transponders. The signals from the satellites are usually directionally beamed. This requires differing types of equipment.



George W. Jensen
4604 Anntana Avenue
Baltimore, Maryland
21206-4220

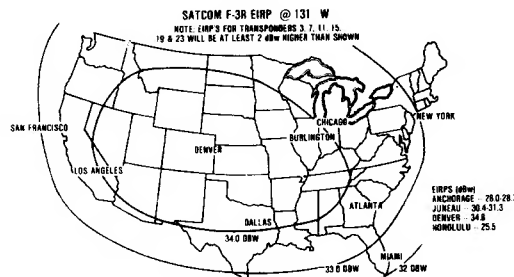
SATELLITE NEWS

September 1986

One can receive Galaxy I with good signals with a 6' dish but get poor pictures on most of the rest of the satellites and this will depend on your location in relation to the footprint of the particular satellite. A good example of this is Morelos I - the Mexican satellite. This is a Hughes Satellite like Galaxy I with the same power levels, but is tightly footprinted into Mexico and provides little signal into the United States. Here in Baltimore with an 8' dish (mesh) the signal was barely a flicker. It is only slightly better with a 12' dish. This sat may be viewable to Florida dish owners with a 12 or 16 foot dish plus a receiver which can receive PAL Color.

Some European sats are closer to this location than Galaxy I or Satcom 3, yet are not readily viewable here.

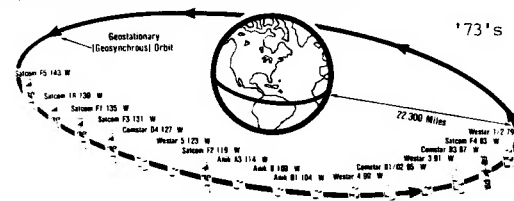
Atmospherics can play havoc with satellite xmissions. Heavy precipitation can wipe out the signal from a satellite. Solar flares and sun spots can move the birds out of position slightly and disrupt the transmissions in other ways. One day when these activities were high (July 25 and 26) the signal levels from Galaxy I were dropped significantly enough that encryption signals to addressable receivers were disrupted. This was severe enough that CNN had to run a notice over their scrambled signal to people on cable and dish owners that there wasn't any problem with their equipment and that they were working on the problem. Some M/A Com transmissions that are not addressable were being intermittently decoded. The Weather Channel had to move to another xpr on satcom 3 causing them to run an ID slide for several hours.



A few comments on my note about the American Telemedia Network. My receiver converts 12 GHz to C-Band. In other words - it puts a 32 xpr K-Sat on to a 24 xpr receiver. Charts are available for this, but I'm not sure of their accuracy. So many times when I refer to a K-Band xpr I could be IN ERROR. Your help in this matter will always be appreciated. K-band (12 GHz) is an emerging technology especially for the TVRO owner - not many have this capability.

It was good to hear from Ronald Purdue of Byron, Minnesota. His equipment:
8' Genesis Spun Aluminum Dish
LNA: 100 degree Drake
Receiver: Drake ESR 324 for C-Band
Positioner: Houston Tracker II

Ronald had many comments re: the scrambling issue - he is against it. I would prefer keeping the column centered on reception and equipment and services appearing on the birds. Ronald would like to see a 24 hour Sci-Fi Net and so would I. Ron - let me know what your reception conditions are like on the various birds - what do you (and others) have access to? Do any of you get good reception from Intelsat or other European birds? What channels (xprds) are in use and for what service?



VIDEO LINES

EVEN MORE ON THE TEKNIKA 6510

My June VIDEO LINES column really seems to have opened the proverbial "can of worms!" I've received much comment about the Teknika 6510 TV tuner, the video component that has become very popular among some of the club's top TV DXers. I did indicate that this unit, which CAN be a real "DX machine" under the right conditions, is definitely not for everyone.

Take Milwaukee area DXpert Dave Janowiak, for example. Dave used to edit the TECHNICAL-CORNER column in the VUD, a section that was so good and so full of useful technical tips that some WTFDAers said it was the main reason they were in the club! Aptly dubbed "Captain Video" in a Milwaukee newspaper profile, Dave is one of a handful of WTFDAers who could be considered true technical wizards when it comes to the art of designing long-distance TV receiving systems.

Although he hasn't finished his personal evaluation of the Teknika 6510, he did have some very interesting comments. In the Milwaukee area, which has quite a bit more local RF in the air than my own area, he immediately was able to observe that the 6510 cannot cope cross-mod from strong local signals as well as many older tuners--in fact, it could be described as "terrible" when compared to a vintage Zenith. It also seems to show poor image rejection too, when compared to an old Heathkit mechanical detent UHF tuner. His observations of adjacent channel rejection were that it was not outstanding--all in all indicating that this really may not be a good choice for a DXer in a strong local signal area unless said DXer is willing to carefully trap and filter out the locals.

Others experimenting with Teknikas have commented on its mediocre performance on the lower channels; for example, see Jeff Kadet's comments on page 30 of the August VUD.

Why, then, are so many of the club's top TV DXers using the 6510's? It may have more to do with their VCRs. Many enthusiasts say that it beats the built-in tuners in their VCRs for recording DX, especially on UHF channels. Personally, I've seen some excellent color on very weak translator signals with my 6510, and have IDed many signals up at the top of the band that were not locked into sync on a VCR tuner, so for that reason alone, I'd recommend the Teknika. The noise figure of this tuner seems to be very good at the top of the UHF band--one enthusiast I know uses his Teknika mostly only for the channel 60-to-83 range. There are still the odd "Grandfather" translators operating above channel 69, believe it or not. Judging by the way I can see two flea-power WNED relays on channel 81 in my area, plus a channel 72 from Great Valley NY in color, at about 50 miles through a mediocre path (true, it's on a mountain near the Pennsylvania border, but it's not really line-of-sight with my UHF dish), I'd say that the 6510 is worth having. I'd like to hear from VUD readers with any further comments on the 6510; one enthusiast is planning an interesting set-up with his unit that will employ a channel 3 post amp and filter--sounds very promising.

What about the ultimate UHF tuner then? Well, I don't think there is such an animal--not only does everything have its own particular set of problems and drawbacks (you know--sort of like finding the most sensitive tuner you've ever seen only to discover that the automatic frequency control is undefeatable without ruining the tuner), but it really does appear that, like the old-timers like to say, "they don't make them like they used to." There are unexpected surprises all the time. Last year, a couple of avid TV DXers, two fanatic WTFDAers who try just about everything, discovered that a cheap black-and-white portable selling as low as \$49.95 at discount stores had a super-hot UHF tuner. Strange, but apparently true. The set was being sold at Montgomery-Ward's stores, and a ham video publication mentioned the fact that it showed better weak-signal UHF results than color sets in the \$600 price range. Then, too, there are the near legendary Mitsubishi tuners, which do appear promising. One WTFDA member tells me his MGA/Mitsubishi color set is the best he's seen, outperforming the best Zenith and GE tuners on UHF; I'm currently trying to track down more information about this one, and will report anything significant that I can find out about this in a future column.

* * * PUBLISHER'S NOTES * * *

WTFDA CONVENTION NEWS THE 1986 CLUB CONVENTION IS NOW HISTORY, AND IT SURE WAS A GREAT ONE! THE EVENT, WHICH TOOK PLACE JUST OUTSIDE JAMESTOWN, NY ON AUGUST 1ST THRU 3RD, SAW A TOTAL OF AROUND 45 DXERS VISITING THE SITE, A LARGER THAN EXPECTED CROWD. THERE WERE SOMEWHAT BETTER TROPIC CONDITIONS DURING THE OUTING, THE SECOND SUCH EVENT TO TAKE PLACE AT THE HILLTOP ESTATE OF MEMBER MIKE LAPINSKI. ON BEHALF OF EVERYONE IN ATTENDANCE, I'D LIKE TO THANK MIKE AND FRANK LAPINSKI FOR HAVING US ALL BACK AT THEIR BEAUTIFUL PROPERTY, WHICH CAN ONLY BE DESCRIBED AS A VHF/UHF DXERS DREAM HOUSE. IT WAS GREAT TO SEE YOU ALL THERE.

EARLY BID IN FOR '87 NOW THE QUESTION IS...WHERE WILL WTFDA CONVENTION 1987 BE HELD? WELL, WE'RE HAPPY TO SAY THAT WE ALREADY HAVE A TENTATIVE BID--DULUTH, MINNESOTA, BY NONE OTHER THAN FCC FM NEWS AND FM ATLAS PUBLISHER DR. BRUCE ELVING. IF ANYONE ELSE IS INTERESTED IN BIDDING FOR WTFDA CONVENTION 1987, THEY MUST DROP US A LINE BY SEPTEMBER 30, 1986. IN THE EVENT THAT THERE IS ONLY A SINGLE BID, THAT BID WINS AND BECOMES THE 1987 CONVENTION SITE. MORE THAN ONE FORMAL BID WILL MEAN THAT THE MEMBERSHIP WILL VOTE TO DETERMINE THE SITE.

NEW SOUTHERN FM DX EDITOR NEEDED ERIC BUENEMAN HAS RESIGNED FROM HIS POSITION AS SOUTHERN FM DX EDITOR--A VOLUNTEER FOR THIS COLUMN IS URGENTLY NEEDED! ERIC SENDS WORD THAT HIS FINAL COLUMN AS SFM EDITOR SHOULD BE APPEARING IN OCTOBER'S ISSUE, AND HE'S ASKED A "GUEST EDITOR" TO FILL IN FOR HIM IN THE MEANTIME. WE'D LIKE TO THANK ERIC, WHO SAYS HE'S PLANNING SOME OCCASIONAL FEATURE MATERIAL ABOUT FM STATIONS FOR THE VUD. IF ANYONE ELSE CAN TAKE ON THIS IMPORTANT FM DX REPORT SECTION, PLEASE DROP US A LINE, AND SHOW US A SAMPLE OF YOUR TYPING OR WORDPROCESSING WORK. IF YOU ARE AN AVID FM DX ENTHUSIAST, THIS IS YOUR OPPORTUNITY TO HELP YOUR CLUB!

SATELLITE NEWS IS A WINNER! RESPONSE TO THE NEW SATELLITE NEWS SECTION HAS BEEN VERY FAVORABLE--WE HOPE GEORGE JENSEN CAN MAKE IT A MONTHLY THING. COMMENTS IN THE MAIL TO CLUB HQ INDICATE THAT THIS COLUMN IS A GOOD IDEA WHOSE TIME HAS COME. WHILE WE'RE ON THE SUBJECT OF SATELLITES, "CAPTAIN MIDNIGHT," THE FLORIDA TVRO SALES REP AND SATELLITE UPLINK TECHNICIAN WHO RECENTLY ADMITTED TAKING OVER ONE OF HOME BOX OFFICE'S PRIMARY TRANSPONDERS ON A MAJOR CABLE TV "BIRD" IS NOT A WTFDA MEMBER--BUT THERE ARE A FEW OF YOU OUT THERE WHO SEEM TO HAVE THOUGHT SO!

UNSUNG HEROS THERE ARE A FEW MEMBERS OUT THERE THAT DESERVE YOUR THANKS--BECAUSE OF THEM, THE V.U.D. IS GETTING OUT ON TIME. ONE OF THESE GUYS IS DAVE NIEMAN, YOUR PHOTO NEWS EDITOR. EVEN THOUGH HE NO LONGER IS INVOLVED AS EDITOR OF THE VUD, HE STILL HELPS WITH THE MONTHLY MAILING TASKS, AND EVEN MADE SURE THAT THE VUD WOULD CONTINUE TO FUNCTION WITHOUT AN EDITOR-IN-CHIEF BY SEEKING OUT A GRAPHICS FIRM (LAYOUT ASSOCIATES) TO TAKE CARE OF THINGS. THANKS TO PEOPLE LIKE HIM, WTFDA IS DOING PRETTY WELL THESE DAYS!

Vhf-Uhf DIGEST

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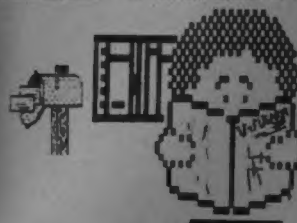


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